



U.S. Army Environmental Center

FINAL PHASE I SITE INSPECTION REPORT FOR SITES IDENTIFIED IN THE 1994 PRELIMINARY ASSESSMENT REPORT AND AREAS OF **CONCERN 3, 8, 9** FORT ALLEN JUANA DIAZ, PUERTO RICO

> **VOLUME II OF II** APPENDICES A THROUGH K

CONTRACT DACA31-94-D-0061 **DELIVERY ORDER NO. 0010**

U.S. ARMY ENVIRONMENTAL CENTER ABERDEEN PROVING GROUND, MARYLAND

JANUARY 1997

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GEOPROBE DATA RECORDS

ABB Environmental Services, Inc.

. W001976APP

Project	MIFN PL					NFORMATION
Study Area	NOCE I		 -			
	OM5-9					
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
6-P-M9-01 (0-4)	-	□ Water Δ Soil/Sed	11-15	1352	□ Inches 0-Y ☑ Feet	Soil Probe Surface Soil Bail for Water
Observations (Textum OH, CLAY, high	re, Color, Odor, Etc.) Plásticity, brown, 1	no oder, moi	st			ollected for: tory Analysis Analysis
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-M9-01 (6-10)		☐ Water ☑ Soil/Sed	11-15	1406	□ Inches 6-10 ☑ Feet	 Ø Soil Probe O Surface Soil O Bail for Water
Observations (Textur OH, CLAY, high p Staining, mos	re, Color, Odor, Etc.) 1228 g lasticity, mottled 5: deate petentermed	opm rounlgray/ ikedor, mo	black wl ist	some		ollected for: tory Analysis Analysis
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
6.P-M9-02 (0-4)		☐ Water ☐ Soil/Sed	j1-15	1437	,	Soil ProbeSurface SoilBail for Water
Observations (Textur CL, SANDY CLAP	re, Color, Odor, Etc.) medium grained, 5	rown inc o	dor, mo	ist	•	ollected for: tory Analysis Analysis
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
6p-M9-02 (6-10)		☐ Water Soil/Sed	11-15	1448	☐ Inches 6~10 ☐ Feet	Soil Probe O Surface Soil O Bail for Water
Observations (Texture CL, CLA4, med.	re, Color, Odor, Etc.) um plasticity mothe	d brounfgr oder	ny/greed -, moist	i po		ollected for: tory Analysis analysis

Sample ID	15-9 Field Sample Number	Matrix	Date	Time	Depth	Collection Method
Cample 15	Tiera campie rianizer	□ Water			☐ Inches	Soil Probe
69-M9-03 (0-4)		⊠ Soil/Sed	11-15	1523	0-4 Ø Feet	O Surface Soil O Bail for Water
Observations (Tex OH, CLAY, hy	ture, Color, Odor, Etc.) K plasticity, Suown t	foblick, no	do-,m	orst		ollected for: tory Analysis Analysis
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
		☐ Water			☐ Inches	Soil Probe
GP-M9-03 (6-10)		☑ Soil/Sed	11-15	1534	6-10 ØFeet	O Surface Soil O Bail for Water
Observations (Text	ture, Color, Odor, Etc.)	A Manual A	[1	/		ollected for:
CLICLAY, med	liam to high plastic	city promote	9.716	o com	∠ Labora	tory Analysis
		oder mo	1157		·	•
	green, ra	oder, mo	ist		☐ Field A	•
Sample ID	Field Sample Number	Matrix	Date	Time	·	•
	<u>, , , , , , , , , , , , , , , , , , , </u>		Date		Depth	nalysis
GP-M9-04	<u>, , , , , , , , , , , , , , , , , , , </u>	Matrix Water			Depth Inches	Collection Method Soil Probe O Surface Soil
	<u>, , , , , , , , , , , , , , , , , , , </u>	Matrix	Date		Depth	Collection Method Soil Probe
GP-M9-04 (0-4)	Field Sample Number	Matrix Water Soil/Sed	Date	1550	Depth Inches O-4 Feet Sample Co	Collection Method Soil Probe O Surface Soil O Bail for Water ollected for: tory Analysis
GP-M9-04 (0-4)	Field Sample Number	Matrix Water Soil/Sed	Date	1550	Depth Inches O-4 Feet Sample Co	Collection Method Soil Probe O Surface Soil O Bail for Water ollected for: tory Analysis
(D-4) Observations (Text ML, SILTY Sample ID	Field Sample Number Ture, Color, Odor, Ftc.) CAY, Slyht plastice.	Matrix Water Soil/Sed	Date //-/5 no ado-	1550 , dry	Depth Inches O-4 Feet Sample Co Labora Field A	Collection Method Soil Probe O Surface Soil O Bail for Water ollected for: tory Analysis
GP-M9-04 (D-4) Observations (Text ML, SILTY Sample ID	Field Sample Number Ture, Color, Odor, Ftc.) CAY, Slyht plastice.	Matrix Water Soil/Sed Arount	Date //-/5 no ado-	1550 Ary	Depth Inches O-4 Feet Sample Co Labora Field A Depth Inches 6-10	Collection Method Soil Probe O Surface Soil O Bail for Water ollected for: tory Analysis analysis Collection Method O Soil Probe O Surface Soil
GP-M9-04 (D-4) Observations (Text	Field Sample Number Ture, Color, Odor, Ftc.) CAY, Slyht plastice.	Matrix Water Soil/Sed Frown	Date //-/5 no ado-	1550 , dry	Depth Inches G-4 Feet Sample Co Laborat Field A	Collection Method Soil Probe O Surface Soil O Bail for Water ollected for: tory Analysis analysis Collection Method O Soil Probe

VESTIGATION DATA REC			21-11/21	OTOTEMI	NFORMATION
•		·			
MS-9					
Field Sample Number	Matrix	Date	Time	Depth	Collection Method
	☐ Water ☐ Soil/Sed	11-16	0936	□ Inches 0 - 4 ☑ Feet	Soil Probe O Surface Soil O Bail for Water
ture. Color, Odor, Etc.) w/roots, high pla					ollected for: tory Analysis Analysis
Field Sample Number	Matrix	Date	Time	Depth	Collection Method
	□ Water Soil/Sed	11-16	0946	Inches 6~/O A Feet	Soil Probe O Surface Soil O Bail for Water
ture, Color, Odor, Etc.) imedium plastici	lg, no odo Scown	- mo	A,	Sample Co	ollected for: tory Analysis Analysis
Field Sample Number	Matrix	Date	Time	Depth	Collection Method
	□ Water □ Soil/Sed			☐ Inches☐ Feet	O Soil ProbeO Surface SoilO Bail for Water
ture, Color, Odor, Etc.)				☐ Labora	ollected for: tory Analysis Analysis
Field Sample Number	Matrix	Date	Time	Depth	Collection Method
	☐ Water			☐ Inches	O Soil Probe
	☐ Soil/Sed			☐ Feet	O Surface Soil O Bail for Water
ture, Color, Odor, Etc.)	☐ Soil/Sed			Sample Co	O Bail for Water ollected for: tory Analysis
	Field Sample Number Field Sample Number ture, Color, Odor, Etc.) The diam plastical Field Sample Number Field Sample Number	Field Sample Number Matrix Water Soil/Sed ture, Color, Odor, Etc.) Field Sample Number Matrix Water Soil/Sed ture, Color, Odor, Etc.) Field Sample Number Matrix Water Soil/Sed Field Sample Number Matrix Water Soil/Sed	Field Sample Number Matrix Date Water Water Matrix Date Water Matrix Date Soil/Sed The Soil/Sed Water Soil/Sed Field Sample Number Matrix Date Water Soil/Sed	Field Sample Number Matrix Date Time Water //-//6 0936 Soil/Sed //-//6 0936 Assi//sed //-//6 0936 Field Sample Number Matrix Date Time Water //-//6 0946 Soil/Sed //-//6 0946 Soil/Sed //-//6 0946 Time Water //-//6 0946 Soil/Sed //-//6 0946 Time Water //-//6 0946 Soil/Sed //-//6 Date Time Water //-//6 Soil/Sed //	Field Sample Number Matrix Date Time Depth Water

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-PC-03-0Y		☐ Water ☑ Soil/Sed	/1-/3	1040	☐ Inches ②√ ☐ Feet	Soil ProbeSurface SoilBail for Water
Observations (Tex L ,CiAY u/grare)	ture, Color, Odor, Etc.) 1. brown, mode ate plas	ticity, moust	-, ne odo	· -		ollected for: tory Analysis Analysis
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
SP-PC-03-610		☐ Water ☐YSoil/Sed	/1-13	1055	☐ Inches	9 Soil ProbeO Surface SoilO Bail for Water
Observations (Text OH, CLA's , highly	rure, Color, Odor, Etc.) Plast i, mnn sandl	(<1%),5mu	i, ne od	or, moist		ollected for: tory Analysis Analysis
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
S-P-PC-04-04		☐ Water ☐ Soil/Sed	11-13	114	□ Inches ⊕-4 □/Feet	O Soil Probe O Surface Soil O Bail for Water
Observations (Text	ure, Color, Odor, Etc.) Le sand, Srown to Sla Co		no117			ollected for: tory Analysis Analysis
moderate p	14547 CIF , SELLE 70013					
	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
moduate p		Matrix Water Soil/Sed	Date //-/3	Time ///9		O Soil Probe O Surface Soil O Bail for Water

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GF-FH-C1-04	,	☐ Water ☑ Soil/Sed	11-13	,417	☐ Inches ⊖ Ұ Æ Feet	Soil ProbeSurface SoilBail for Water
Observations (Tex AL, SAND) CLA! Grant Sa	- Simble plasticity be	cum, we od	n, du	medium		ollected for: tory Analysis Analysis
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
6-F-PH-01-610		□ Water ☑ Soil/Sed	i (-13	1426	☐ Inches 6-10 ☐ Feet	O Soil Probe O Surface Soil O Bail for Water
Observations (Tex	ture Color Odor Etc.)			<u> </u>	0	ollogied for:
OH, CLAY, A"	alify Plastic, Surne Coa	use sand, a	lay boo	·~~	Sample Collabora 2 Field A	tory Analysis
OH, CLAY, A"	Field Sample Number	Matrix	Date Date	Time	Labora	tory Analysis
Sample ID	shily Plastic, Surme Coa				Labora Zi Field A	tory Analysis Analysis
Sample ID GP-PH-CZ-OY Observations (Tex NL, SANDY	Field Sample Number	Matrix Water Soil/Sed	Date	Time iSo 1	Depth Inches O-Y Feet	Collection Method Soil Probe O Surface Soil O Bail for Water ollected for:
Sample ID GP-PH-02-04 Observations (Tex NL, SANCY Slynt plast	Field Sample Number ture, Color, Odor, Etc.) CLAY, neclinato (00)	Matrix Water Soil/Sed	Date	Time iSo 1	Depth Depth Inches O~ Y Sample Co Labora	Collection Method Soil Probe O Surface Soil O Bail for Water ollected for:
Sample ID GP-PH-02-04 Observations (Tex NL, SANDY	Field Sample Number ture, Color, Odor, Etc.) CLAY, nedim to Courcily, day, ow other	Matrix Water Soil/Sed	Date	1507 6,500	Depth Depth Inches O~ Y Feet Sample C Labora Field / Depth	Collection Method Soil Probe O Surface Soil O Bail for Water ollected for: atory Analysis Analysis
Sample ID (S.FPH-OZ-OY Slynt plast Sample ID (S.FPH-OZ-GU Observations (Tex	Field Sample Number ture, Color, Odor, Etc.) CLAY, necknan to (50) recit, day, we obta-	Matrix Water Soil/Sed Matrix Water Soil/Sed	Date Date Sand, Sand,	Time 1507 brem. Time 1515	Depth Depth Inches O Y Field Feet Sample C Labora Field Depth Depth Septh Sample C Sample C Sample C Sample C	Collection Method Soil Probe O Surface Soil O Bail for Water collected for: atory Analysis Collection Method Soil Probe O Surface Soil O Bail for Water Collection Method O Soil Probe O Surface Soil O Bail for Water collected for: atory Analysis

57-0	ESTIGATION DATA RE	CORD GEOR	HOBE S	JIL/WATE	RSYSTEMI	NFORMATION
<i>r.</i> -	TALLEN OR 1870 DE AFFOLD					
Study Area	77 E 77 E 77	<u>. 17 S</u>	<u></u>			
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
. 0 01/-07 01		☐ Water				Soil Probe
6P-PH-03-04		d	11713	1537		
		⊠ Soil/Sed			☑ Feet	O Bail for Water
Observations (Text	ure, Color, Odor, Etc.), grand, medium pk	dicto bea	un du	, no ode	Sample Co	ollected for:
(1,(0,), 0)	Jana Manumpa	Sincing, or o	.,,,	,,,,,,	☐ Labora	,,
					Tielu 7	inaly 313
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
		☐ Water	() (5	<i>-</i>	☐ Inches	9 Soil Probe
6P-PH-03-610		- /	11-13	1548	6-10	O Surface Soil
		Çl∕Soil/Sed			☑ Feet	O Bail for Water
Observations (Text	ure, Color, Odor, Etc.)	,	Sent and	j	Sample Co	ollected for:
(i, ci, 44, w/s moist, no	and (med grained)	, medium p	MSTRIA	s, soun	Labora Field A	tory Analysis
7.(0.(3), 100	ow r		****		P Fleiu F	Maiysis
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
		☐ Water			Inches	O Soil Probe
					0.5	O Surface Soil
		☐ Soil/Sed			☐ Feet	O Bail for Water
Observations (Text	ure, Color, Odor, Etc.)				•	ollected for:
					☐ Labora	tory Analysis Analysis
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
_		☐ Water			☐ Inches	O Soil Probe
		G 0 "'0			D	O Surface Soil
		☐ Soil/Sed			☐ Feet	O Bail for Water
Observations (Text)	ure, Color, Odor, Etc.)				-	ollected for:
					☐ Labora	tory Analysis

FIELD IN	VESTIGATION DATA RE	CORD GEO	PROBE S	OIL/WATE	R SYSTEM I	NFORMATION
Project FORT	ALLEN, PR					
Study Area _ W/	ASTEWATER TREA	HTMENT PLA	WT			
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
40	-	☐ Water			☐ Inches	
6P-WW-01 (0-4)		∕ Z Soil/Sed	11-16	1019	0-4 ØFeet	O Surface Soil O Bail for Water
Observations (Text	ture, Color, Odor, Etc.) 19 hplestricty, 6-6-4	n, no odor,	, mois	+		ollected for: tory Analysis Analysis
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
		☐ Water			☐ Inches	Soil Probe
GRWH-01			11-16	1027	670	O Surface Soil
(6-10)		☑ Soil/Sed			∠ Feet	O Bail for Water
Observations (Text ML, Clayey Si	ure, Color, Odor, Etc.) LT, Slight plasticity	Ibrown, no	dor, do	8		ollected for: tory Analysis Analysis
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
		☐ Water		(5)	☐ Inches	
6P-WW-0Z (0-4)		⊠ Soil/Sed	j1-16	1050	0-4 Ø Feet	O Surface Soil O Bail for Water
Observations (Text	ure, Color, Odor, Etc.) LAY, Slig lot plasticit	. Lrain a	ac ado	dra	•	ollected for:
MU, SILIT CE		, , , , , , ,			Labora D Field A	tory Analysis Analysis
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
		☐ Water			☐ Inches	Soil Probe
6-10)		☑ Soil/Sed	1-16	(058	6-10 Ø Feet	O Surface Soil O Bail for Water
Observations (Text)	ure, Color, Odor, Etc.) LAY, SI gint plustic	16,5-own,	no edn	mois	Sample Co	ollected for: tory Analysis analysis

	ESTIGATION DATA RE	CORD GEO	PROBE SO	OILWATE	R SYSTEM I	NFORMATION
Project	ORT ALLEN, PR					
Study Area \(\mathcal{U}\)	VASTE WATER TO	REATMENT	PLAN	7		
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
OP-WW-04		☐ Water ☑ Soil/Sed	11-16	1342	□ Inches <i>O~</i> 4 Ø Feet	Soil Probe O Surface Soil O Bail for Water
(0-4) Observations (Text	ure, Color, Odor, Etc.) Y CLAY, Mcdium ple		un ,no o	ds-, mò		ollected for: tory Analysis
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
6P-WW-04 (6-10)		☐ Water ☑ Soil/Sed	11-16	1350	☐ Inches	
Observations (Text	ure, Color, Odor, Etc.) EY SILT, Inffle plas	ticity, L-o	wa, wo	oder, moust		ollected for: tory Analysis Analysis
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
6p-ww-03 (0-4)		☐ Water ☑ Soil/Sed	11-17	0847	l	Soil Probe O Surface Soil O Bail for Water
Observations (Text	ure, Color, Odor, Etc.) (medium plastic i	tz brown, w	oder,	moist		ollected for: tory Analysis Analysis
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
6p-ww-03 (6-10)	-	☐ Water ☑ Soil/Sed	11-17	0854	□ Inches 6-10 ☑ Feet	Soil Probe Surface Soil Bail for Water
	ture, Color, Odor, Etc.) CLAY, Slig ht plus	ticits, Soon	n, no	oder,		ollected for: tory Analysis

Observations (Texture, Color, Odor, Etc.) CL, CLAT where the part of the part	Sample ID	Field Sample Number	Matrix Water	Date	Time	l	Soil Probe
Sample ID Field Sample Number Matrix Date Time Depth Collection Method (6-10) Dinches & Soil Probe (6-10) Discriptions (Texture, Color, Odor, Etc.) ML (SILTY CLAY, Signt to rectamplestrate), from Depth Collection Method Time Depth Collection Method Sample Collected for: Matrix Date Time Depth Collected for: Matrix Date Time Depth Collection Method Collection Meth			☐ Soil/Sed	,,,,	7726		
Water II-Ib II43 Inches & Soil Probe II-Ib III-Ib	Observations (Tex	ture, Color, Odor, Etc.) H wrovis, medium	plasticity,	lown,	dog.	☐ Labora	tory Analysis
Observations (Texture, Color, Odor, Etc.) ML SILTY CLAY Slight + Advanplasticity, from Depth Collected for: Water Observations (Texture, Color, Odor, Etc.) ML SILTY CLAY Slight + Advanplasticity, from Depth Collection Method Water Observations (Texture, Color, Odor, Etc.) ML SILTY CLAY, (liftly fonc plasticity, from worder, dry Depth Collected for: ML SILTY CLAY, (liftly fonc plasticity, from worder, dry Depth Collected for: Depth Collected for: Sample Collected for: Depth Collected for: Depth Collected for: Laboratory Analysis Field Analysis Sample ID Field Sample Number Matrix Date Time Depth Collection Method Water Water Water Water Observations (Texture, Color, Odor, Etc.) Color Color, Col	Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
Observations (Texture, Color, Odor, Etc.) ML (SILTY CLAY, Sight to redum plastration, fround) Sample Collected for: Alaboratory Analysis Gray (no odor, noist) Field Sample Number Water Water Water Observations (Texture, Color, Odor, Etc.) ML (SILTY CLAY, liftle fonc plastration, fround, no odor, dry) Sample Collection Method O-4 O Surface Soil Feet O Bail for Water Sample Collection Method O-4 O Surface Soil Feet O Bail for Water Sample Collected for: Laboratory Analysis Field Analysis Sample Collected for: Laboratory Analysis Field Analysis Sample ID Field Sample Number Matrix Date Time Depth Collection Method Collection Method O-4 O Surface Soil Field Analysis Sample Collected for: Laboratory Analysis Field Analysis Sample Collected for: Color, Color, Color, Color, Color, Etc.) Sample Collection Method Sample Collection Method Color of Soil Probe Color of S	6 Park to Do		☐ Water	,, ,,	11/17		•
ML SILTY CLAY, Sight to reduce plasticity, brown Inches Soil Probe Gray 100 oder, moist Inches Soil Probe Gray 100 oder, moist Inches Soil Probe Gray 100 oder, moist Inches Soil Probe Gray 15-16 1311 O-4 O Surface Soil Gray 15-16 Inches Sample Collected for: Gray Laboratory Analysis Gray Inches Soil Probe Gray Inches Inches Inches Gray Inches Inches Inches Gray Inches Gray Inches Inches Gray Inches G	. •		Soil/Sed Sed	11-76	27/1		
Sample ID Field Sample Number Matrix Date Time Depth Collection Method (P-WW-05 (0-4) Water II-16 311 O-7 o Surface Soil Probe Observations (Texture, Color, Odor, Etc.) Sample Collected for: ML, SILTY CLAY, (liftle force plashicity, brown, worder, dry Laboratory Analysis Field Analysis Sample ID Field Sample Number Matrix Date Time Depth Collection Method (P-WW-05 (6-10) Water II-16 1318 G-10 o Surface Soil A Soil/Sed II-16 IS18 G-10 o Surface Soil A Feet o Bail for Water Observations (Texture, Color, Odor, Etc.) Sample Collected for: CC (SCTT CLAY, medium plashicity, brown, no clor, moist Sample Collected for: A Laboratory Analysis	Observations (Tex	ture, Color, Odor, Etc.) LTT CLAY, Slight 4	no oder	asticit, moist	boun/	Z Labora	tory Analysis
Observations (Texture, Color, Odor, Etc.) Sample Collected for: ML, SILTY CLAY, Liftly for platficity, brown, no odar, dry Sample Collected for: Laboratory Analysis Field Analysis Sample ID Field Sample Number Matrix Date Time Depth Collection Method Water Water Water Observations (Texture, Color, Odor, Etc.) CC (SILTY CLAY, medium plasticity, brown, no odor, moist Sample Collected for: Laboratory Analysis					_	Depth	Collection Method
Observations (Texture, Color, Odor, Etc.) ML, SILTY CLAY, (Iffly force platficity), brown, no other, dry Laboratory Analysis Field Analysis Sample ID Field Sample Number Matrix Date Time Depth Collection Method Water Water Water Water Sample Collected for: Laboratory Analysis Field Analysis Sample Collection Method Field Sample Number Matrix Date Time Depth Collection Method Water Water Soil Probe Gold Observations (Texture, Color, Odor, Etc.) Cl. Silty Clay, medium plasticity, brown, no odor, moist Laboratory Analysis			☐ Water				Soil Probe
Observations (Texture, Color, Odor, Etc.) ML, SILTY CLAY, (Iffly force platficity), brown, no other, dry Laboratory Analysis Field Analysis Sample ID Field Sample Number Matrix Date Time Depth Collection Method Water Water Water Water Sample Collected for: Laboratory Analysis Field Analysis Sample Collection Method Field Sample Number Matrix Date Time Depth Collection Method Water Water Soil Probe Gold Observations (Texture, Color, Odor, Etc.) Cl. Silty Clay, medium plasticity, brown, no odor, moist Laboratory Analysis			Soil/Sed	11-16	/3/1	_ ,	
(6-10) Water Water I-No 1318 G-10 o Surface Soil Feet o Bail for Water	Observations (Text	ture, Color, Odor, Etc.) CLAY, (1996, to me plant				☐ Labora	tory Analysis
(6-10) Soil/Sed 11-10 (318 G-10 o Surface Soil Observations (Texture, Color, Odor, Etc.) CL (SILTY CLAY, medium plasticity, brown, no clor, moist Sample Collected for: ZL Laboratory Analysis	Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
(6-10) Diservations (Texture, Color, Odor, Etc.) CL, SILTY CLAY, medium plasticity, brown, no clor, moist Sample Collected for: Z Laboratory Analysis	60 um AS		☐ Water		_	_	,
CLISILTY CLAY, medium plasticity, brown, no clor, moist & Laboratory Analysis			✓ Soil/Sed	11-16	(318	—.	
	Observations (Text	ture, Color, Odor, Etc.) PH, medium plasticit	n, moord, p	octor,	noist	∠ Labora	tory Analysis

----- ABB Environmental Services, Inc. -

G 1	ESTIGATION DATA RE	CORD GEO	PRUBES	OILWATE	R SYSTEM I	M OHMATION
Project FT A Study Area	LLEN Inc 3					
Study Area	,000					
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
GP-03-01		☐ Water	11-14	1352		Soil Probe
(0-4)		☑ Soil/Sed	/1 /1	())	<i>0~4</i> Ø Feet	O Surface Soil O Bail for Water
Observations (Textu	ure, Color, Odor, Etc.)	1 1)	- 4-		ollected for:
CL, SILTY CU	tt inchum plastic	ity white	r, dry	n,no	Labora Field	atory Analysis Analysis
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
		☐ Water			☐ Inches	Soil Probe
ap-03-01		M o avo a	16-14	1400	6-10	
(6-10)		Ø Soil/Sed			Ø Feet	O Bail for Water
Observations (Textu	ire, Color, Odor, Etc.) SILT, SLIGHT Plash o	ity brown	no odor	- dry		ollected for: tory Analysis
					☐ Field A	
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
6-P-03-0Z		☐ Water	11~14	1431		Soil Probe
(0-4)		∕ ⊠ Soil/Sed	/ <i>1~14</i>	1151	0~ 4	O Surface Soil O Bail for Water
Observations (Textu	ire, Color, Odor, Etc.) y medium plastic	1. Grown	40 06	dess		ollected for:
CC ISICH CLA				,009	Labora Field	tory Analysis Analysis
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
		☐ Water			☐ Inches	
6-10)		~f -	[1-14	(438	_6~10	o Surface Soil
(6-10)		Ø Soil/Sed			☑ Feet	O Bail for Water
Observations (Textu	re, Color, Odor, Etc.)	struita bin	oum, n	ooder.	•	ollected for:
rate (conte / si	ct , lattle to no pla	2.72.79	'di	z · '	Labora	tory Analysis Analysis
			· · · · · · · · · · · · · · · · · · ·	-		

Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
69-03-03 (0-4)		☐ Water ☑ Soil/Sed	11/14	1512	Inches O-V DiFeet	Soil Probe Surface Soil Bail for Water
	ture, Color, Odor, Etc.) AY, medium plasticis dry, no odor	ly,brown,s,	ne gra	rel (25%	Sample Co Call Labora Call Field A	ollected for: tory Analysis Analysis
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
6-10)		☐ Water ☐ Soil/Sed	ecf14	1521	□ Inches 6~10 ☑ Feet	Soil Probe O Surface Soil O Bail for Water
Observations (Tex	ture, Color, Odor, Etc.) SILT, 100 to little p	laticity, br	own, m	oder,		ollected for: tory Analysis Analysis
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
		☐ Water ☑ Soil/Sed	1//14	1556	☐ Inches ○ 4' ☐ Feet	O Soil Probe O Surface Soil O Bail for Water
(0-4)		ya 301/360			1 000	
(0-4)	ture, Color, Odor, Etc.) roots, mcLum plastic		, no od	er, mois	Samula Ci	ollected for: tory Analysis Analysis
(0-4)	ture, Color, Odor, Etc.) roots, mcLium plastic Field Sample Number		, no od	Time	Sample Co	tory Analysis
Observations (Tex	roots, medium plastic	ty, brown		·	Sample Co	tory Analysis Analysis

FIELD INV	ESTIGATION DATA REC	CORD GEO	PROBE S	OILWATE	R SYSTEM I	NFORMATION
Project Fort	ALLEN, PR					
Study Area	<u>. 3</u>					
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
	-	☐ Water			☐ Inches	Soil Probe
(6-10)		☑ Soil/Sed	11-15	०४०४	⊘ ~/ ⊘ ⊠ Feet	O Surface Soil O Bail for Water
Observations (Text	ure, Color, Odor, Etc.) ILT, little to no plasf	icity, brown	r, no odo	r, dvy		ollected for: tory Analysis Analysis
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
		☐ Water			☐ Inches	Soil Probe
ωρ-03-06		d	11-15	0848	6-10	O Surface Soil
(6-10)		Soil/Sed			Æ Feet	O Bail for Water
Observations (Text	ure, Color, Odor, Etc.) LAY, Midium plas	ticity, brow	n,no e	dor, dry		ollected for: tory Analysis Analysis
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
		☐ Water			☐ Inches	✓ Soil Probe
6P-03-07 (6-10)		☑ Soil/Sed	11-15	0937	6-10 D Feet	O Surface Soil O Bail for Water
01	re, Color, Odor, Etc.) SICT (OW plasticity, no odor, dry	y, very hor	-d, brow	into	•	ollected for: tory Analysis Analysis
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method
		☐ Water		, -	☐ Inches	Soil Probe
GP-03-08		_1	11-15	1036	6-10	o Surface Soil
(6-10)		☑ Soil/Sed			☑ Feet	O Bail for Water
Observations (Texto	ure, Color, Odor, Etc.) LT uf some coarse own, no odor, dry	sand, hard	1, Hu +	o no	🗖 Labora	ollected for: tory Analysis Analysis

Project For	- ALLEN PR						
Study AreaA	•						
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method	
		☐ Water			☐ Inches		
6P-03-09			11-15	1128	6-10	O Surface Soil	
(6-10)		☑ Soil/Sed		`	⊠ Feet	O Bail for Water	
Observations (Texture, Color, Odor, Etc.) ML, ELAYEY SILT, Land, little to no plasticity, Srown, Laboratory Analysis							
ML, ECHYEY	>ICT, bond, 1 inc to	s no pras	417,5	voun,		tory Analysis	
	no odor, dry.				☐ Field A	Malysis	
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method	
10		☐ Water			☐ Inches		
6-P-03-29=0		_,	11-15	1212	6-10	O Surface Soil	
(6~iO)		Soil/Sed			⊈ Feet	O Bail for Water	
Observations (Text	ure, Color, Odor, Etc.) ILT, hand, little to	والمراجعة والمراجعة	il. hon	un du	Sample Co	ollected for:	
ML, CLAYEYS	ict, hand, little to	NO PIRATIC	ייפו צייו	un,ay,	🖊 🗷 Labora	tory Analysis	
•	• •		G D	da		nohoio	
	`	<u>-</u>	w	oder.	☐ Field A	nalysis	
	Field Sample Number	Matrix	Date	Time	☐ Field A	Collection Method	
			_				
		Matrix Water	_		Depth Inches	Collection Method O Soil Probe O Surface Soil	
		Matrix	_		Depth	Collection Method O Soil Probe	
Sample ID Observations (Text	Field Sample Number	Matrix Water	_		Depth Inches Feet Sample Co	O Soil Probe O Surface Soil O Bail for Water	
Sample ID	Field Sample Number	Matrix Water	_		Depth Inches Feet Sample Co	O Soil Probe O Surface Soil O Bail for Water collected for: tory Analysis	
Sample ID	Field Sample Number	Matrix Water	_		Depth Inches Feet Sample Co	O Soil Probe O Surface Soil O Bail for Water collected for: tory Analysis	
Sample ID Observations (Text	Field Sample Number	Matrix Water	_		Depth Inches Feet Sample Co	O Soil Probe O Surface Soil O Bail for Water collected for: tory Analysis	
Sample ID	Field Sample Number	Matrix Water Soil/Sed	Date	Time	Depth Inches Feet Sample Co Labora Field A	O Soil Probe O Surface Soil O Bail for Water collected for: tory Analysis	
Sample ID Observations (Text	Field Sample Number	Matrix Water Soil/Sed Matrix	Date	Time	Depth Inches Feet Sample Co Labora Field A	O Soil Probe O Surface Soil O Bail for Water Dilected for: tory Analysis Analysis Collection Method	
Sample ID Observations (Text	Field Sample Number	Matrix Water Soil/Sed Matrix	Date	Time	Depth Inches Feet Sample Co Labora Field A	Collection Method O Soil Probe O Surface Soil O Bail for Water collected for: tory Analysis Analysis Collection Method O Soil Probe	
Sample ID Observations (Text	Field Sample Number ure, Color, Odor, Etc.) Field Sample Number	Matrix Soil/Sed Matrix Water	Date	Time	Depth Inches Sample Co Labora Field A Depth Inches Sample Co	Collection Method O Soil Probe O Surface Soil O Bail for Water collected for: tory Analysis Analysis Collection Method O Soil Probe O Surface Soil O Bail for Water	
Sample ID Observations (Text	Field Sample Number ure, Color, Odor, Etc.) Field Sample Number	Matrix Soil/Sed Matrix Water	Date	Time	Depth Inches Sample Co Labora Field A Depth Inches Sample Co	Collection Method O Soil Probe O Surface Soil O Bail for Water collected for: tory Analysis Analysis Collection Method O Soil Probe O Surface Soil O Bail for Water collected for: tory Analysis	

	ESTIGATION DATA REC	CORD GEOR	PROBE S	OIL/WATE	R SYSTEM I	NFORMATION	
•	TALLEN, PR						
Study Area	oc8						
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method	
		☐ Water			☐ Inches		
10-80-9 (4-0)		∕∆ Soil/Sed	11-16	OEOS	0 - ¥ Ø Feet	O Surface Soil O Bail for Water	
Observations (Texture, Color, Odor, Etc.) OH, SANDY CLAY, high plasticity, medium Sand, brown. Description Sand, brown. Description Field Analysis							
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method	
	1	☐ Water			☐ Inches	Ø Soil Probe	
ap-08-01 (6-10)		☑ Soil/Sed	11-16	0813	(,-(0 ⊠ Feet	O Surface Soil O Bail for Water	
Observations (Texture, Color, Odor, Etc.) ML, SILTY CLAY, Sight plasticity, brown/gray, no Clar, mist Clar, mist Dield Analysis							
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method	
		☐ Water			☐ Inches	√ Soil Probe	
60-4)		Ç ∕Soil/Sed	11-16	0842	O- ⁴	O Surface Soil O Bail for Water	
Observations (Text	ure, Color, Odor, Etc.) LAY, brown, medin	m plasticite	no od	w, moist	Sample Co Labora Field A	ollected for: tory Analysis Analysis	
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method	
A AMPARAGE AND A STATE OF THE S		☐ Water			☐ Inches	9 Soil Probe	
GP-08-02 (G-10)		Ģ ∕Soil/Sed	11-16	0855	6-10 ⊈ 1Feet	O Surface Soil O Bail for Water	
Observations (Texture, Color, Odor, Etc.) CL, GRANZY CLAY, medium to high plastiats, brown, Laboratory Analysis no oder, wet Field Analysis							

Observations (Texture, Colo ML, CLAY, of Sand Lict at G", modu Sample ID Field Observations (Texture, Colo OH CLAY, highly brown, satural	+ giard (mid:	Matrix Water	Date		_ `	O Surface Soil O Bail for Water ollected for: atory Analysis	
Observations (Texture, Colo ML, CLAY, W/ Sand with at 6", mode Sample ID Field GP-09-01-610	egiarel (med:	Matrix Water	n, me 01	dor,	Sample Co	O Bail for Water ollected for: atory Analysis	
ML, CLAY, W/ Sand with at 6", mode Sample ID Field GP-09-01-610	egiarel (med:	Matrix Water			☐ Field A	tory Analysis	
GP-09-01-610	Sample Number	☐ Water	Date	Time	Depth		
		_				Collection Method	
		_		!	☐ Inches	O Soil Probe	
Observations (Texture, Color OH CLAY, highly brown, satura		☑ Soil/Sed	11-13	(327	り・/り Ø Feet	O Surface Soil O Bail for Water	
	, Odor, Etc.) Plastic, Some til	el canse a	ngular s	and		ollected for: tory Analysis Analysis	
Sample ID Field	Sample Number	Matrix	Date	Time	Depth	Collection Method	
		☐ Water				Soil Probe	
WP-09-02-04		Soil/Sed	11-13	13%	C>- √ ✓ Feet	O Surface Soil O Bail for Water	
Observations (Texture, Color CL CLAY SAND) Co	cay melium	to coasse us odor	g rained	, 6 = c - n,	Sample Co Laborat Laborat		
Sample ID Field	Sample Number	Matrix	Date	Time	Depth	Collection Method	
		☐ Water	1.12			9 Soil Probe	
Crf-69-02-610		☐ Soil/Sed	j/- 13	1342	હ∼/∂ ØFeet	O Surface Soil O Bail for Water	
Observations (Texture, Color, Odor, Etc.) OH CLAY, highly plastic, some coarse sand, by breat D'Laboratory Analysis Field Analysis							
						nadicie	

FIELD IN\	/ESTIGATION DATA RE	CORD GEO	PROBE S	OIL/WATE	R SYSTEM I	NFORMATION	
Project FT A	LLEN, PR		~				
Study Area/	4009						
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method	
GP-09-03 (0-4)		☐ Water ☑ Soil/Sed	11-14	4-1 0755	□ Inches o ~ 4 ☑ Feet	 ✓ Soil ProbeO Surface SoilO Bail for Water	
Observations (Texture, Color, Odor, Etc.) CL, CLAY who rocits, medium plantisty, brown, most, no odo- Sample Collected for: Laboratory Analysis Field Analysis							
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method	
G-P-09-03		☐ Water	10-14	0806	6-10	Ø Soil Probe O Surface Soil	
(6 - 10)		✓ Soil/Sed			☑ Feet	O Bail for Water	
Observations (Texture, Color, Odor, Etc.) OH, CLAY, high plasticity, brown, no cdor, dry Laboratory Analysis Field Analysis							
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method	
GP-09-04 (0-4)		☐ Water ☑ Soil/Sed	11-14	0825	☐ Inches O~ Y Ø Feet	Soil Probe O Surface Soil O Bail for Water	
Observations (Texture, Color, Odor, Etc.) CL CLAY w/roots, medium plasticity, brown, no oder, by Laboratory Analysis Field Analysis							
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method	
10-09-04	·	☐ Water			Inches	Ø Soil Probe	
(6-10)		☑ Soil/Sed	11-14	0835		O Surface Soil O Bail for Water	
Observations (Texture, Color, Odor, Etc.) GP-G9-04 CL, CLAY, w/roots, medium plasticty, from, moder, Laboratory Analysis G-10 Sample Collected for: Laboratory Analysis							
Observations (Textu		☐ Water ☑ Soil/Sed	11-14	of 32	Depth ☐ Inches ☐ ~10 ☐ Feet Sample Co	Collection Meth Soil Probe O Surface Soil O Bail for Water ollected for: tory Analysis	

FIELD INV	ESTIGATION DATA REC	CORD GEOF	PROBE SO	DIL/WATE	R SYSTEM II	NFORMATION	
ProjectFORT	ALLEN PR				 .		
Study AreaA	009				·		
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method	
60-09-06		Water	11-14	1038	☐ Inches Ø- Y Ø Feet	Soil Probe O Surface Soil O Bail for Water	
(0-4)		Soil/Sed		<u> </u>	/21 Feet	O Ball for water	
Observations (Texture, Color, Odor, Etc.) CL, CLAY wi roots, medium Plastect, brown to black, moist, a Laboratory Analysis woods- Field Analysis							
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method	
GP-09-06		☐ Water	11-14	10H 6	☐ Inches	9 Soil Probe O Surface Soil	
(6-10)		☑ Soil/Sed	,,	(84 J	☑ Feet	O Bail for Water	
Observations (Texture, Color, Odor, Etc.) ML, Clayey Scit, Sight plasticity, some gracel, brown, no odor, Laboratory Analysis Office of the color							
				~ 	☐ Field A	Analysis	
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method	
6P-09-0750		☐ Water	11-14	•	☐ Inches	Soil Probe O Surface Soil	
(0-4)		☑ Soil/Sed	//-/9	און	☑ Feet	O Bail for Water	
Observations (Text	ure, Color, Odor, Etc.) plashchy, brown to bl	ect w/oods,	moist	, w odo	Sample Control Labora	ollected for: tory Analysis Analysis	
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method	
		☐ Water				Soil Probe	
6-10)		☑ Soil/Sed	11-14	1127	6-10 ✓ Feet	O Surface Soil O Bail for Water	
Observations (Text	ure, Color, Odor, Etc.) I medicum to lo	w plastici	g, wa	m,		ollected for: atory Analysis Analysis	

FIELD IN	IVESTIGATION DATA RE	CORD GEO	PROBE S	OIL/WATE	R SYSTEM I	INFORMATION		
Project	T ALLEW PR							
Study AreaA	009					<u></u>		
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method		
6P-09-08 (0-4)	-	☐ Water ☑ Soil/Sed	11-14	0909	□ Inches	Soil ProbeSurface SoilBail for Water		
Observations (Texture, Color, Odor, Etc.) ML, Granely Clay, granel 2 mm, 5 roum, no oder, dry, Slightn. Diastic Field Analysis								
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method		
6-P-09-08 (6-10)		□ Water ✓ Soil/Sed	11-14	09,7	☐ Inches 6 · /0 ☐ Feet	 Ø Soil Probe O Surface Soil O Bail for Water 		
Observations (Texture, Color, Odor, Etc.) SC, CLAYEY SAND, redium grained moderate sorting, moderate Sample Collected for: Laboratory Analysis Grid Analysis								
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	Collection Method		
6P-09-05 (0-4)		□ Water ☑ Soil/Sed	11-14	6942	☐ Inches 0~4 ☐ Feet	Soil Probe O Surface Soil O Bail for Water		
Observations (Tex	ture, Color, Odor, Etc.) roots, medium plistici	fy, brown, n	wooder,	moist		ollected for: tory Analysis Analysis		
Sample ID	Field Sample Number	Matrix	Date	Time	Depth	. Collection Method		
6-1-04-05 (6-10)		☐ Water ☐ Soil/Sed	11-14	0950	☐ Inches 6-10 ☑ Feet	Soil ProbeSurface SoilBail for Water		
Observations (Texture, Color, Odor, Etc.) (1, Silty CLAY, and numplasticity is soun, no odor, dry Laboratory Analysis Field Analysis								

	•	
	•	

SOIL BORING LOGS

ABB Environmental Services, Inc.

W001976APP

SOIL BORING LOG		Study Area: OMS ~9 Boring No.: SB ~ M9 ~ O I
Client: AEL	Project No. 9 7 90 03	Protection:
Contractor: SDILTECH	Date Started: // - 19 - 96	Completed: //-19-96
Method: HSA	Casing Size: NA	PI Meter: 7E 580B
Ground Elev.: ► ►	Soil Drilled: / O	Total Depth:
Logged by: 5. Donelick		Below Ground: NA
Screen: MA (ft.) Riser: I	VA (ft.) Diam: NA (ID) Material: NA	Page / of: /
DEPTH (FT) SAMPLE NUMBER SAMPLE DEPTH CLP/SCREENING	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS
2 — 0-z	70% & CLAY u/some sand (medical) high plasticity, brown, no odor, moist	m) 0H 2 4 6 8
8 -	no odor, moist	
12	wooder, moist	oun OH 6 io ii
-		

- ABB Environmental Services, Inc. -

SOIL BORING LOG		Study Area: Pesticide Herbicide
Client: AEC	Project No. 9890 つろ	Boring No.: 58-PH-01 Protection: D
Contractor: SOIL TECH	Date Started: 11-19-96	Completed: //-/9 - 96
Method: HSA	Casing Size: NA	
Ground Elev.: NA	Soil Drilled: 10	PI Meter: 7F S TOB Total Depth: 12
Logged by: S. Donelick	Checked by:	✓ Below Ground: NA
Screen: NA (ft.) Riser:	<u> </u>	Page / of: /
		. 1250 7 01.
DEPTH (FT) SAMPLE NUMBER SAMPLE DEPTH CLP/SCREENING	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS WELL DATA
2 - 0-2	- 9 ASHALT + ORANGL FILL	
6 — 57 8 — 57	Stack, no oder, moist	10 OFF 4 6 9 12
	SILTY CLAY, med win plostic brown, no oder, moist	the CC & H
9610016D L4	Α	BB Environmental Services, Inc.

Client: Army Environmental Center Project No. 9890-03	Boring No.: 58-09-01 Protection: Mod. Level D Completed: //-18-96
	· ////////////////////////////////////
	PI Meter: 7E 580B
	Total Depth: /z '
	Below Ground: N4
	Page / of: /
(a) (b) (a)	rage / oi. /
DEPTH (FT) SAMPLE NUMBER SAMPLE DEPTH CLP/SCREENING RECOVERY NOITH SAMPLE DEPTH OUTH SAMPLE DEPTH OUTH SAMPLE DEPTH OUTH SAMPLE NUMBER SAMPLE NUMBER OUTH SAMPLE NUMBER NOITH SAMPLE NUMBER	SOIL CLASS
2 02 20 0 CLAY, high platicity, brown, no oder, moist, some gravel 6 57 1.1 9 CLAY, high platicity, brown, no oder, moist 8 - 10 - 1072 1.5 9 SILTY CLAY, medium plasticity, brown, no oder, dry	OH 4 11 11 11 11 11 11 11 11 11 11 11 11 1

ABB Environmental Services, Inc. -

	H5 Elev.: / y: 5. Do	A VA WEL	CH ICK	Cas Soil Che		size: ~A ed: /0	Study Area: AOC 9 Boring No.: $SB-O9-O2$ Protection: $Leve I D Med$. Completed: $II-IB-96$ PI Meter: $TE SBOB$ Total Depth: IZ Below Ground: NA Page $II II II$
ОЕРТН (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	RECOVERY	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS
2		0-Z	9	2%	ø	OH, CLAY ufgrared bown high plasticity, no oder, moist	OH 5 10 15 20
8 -		57	8	%	Y	CLAY u/some sittendsand, medium plasticity, brain no odor, dig	CL 7 15 16 21
12		10-12	S	CE.	ø	MAYEY SILT, little to no plasticity, brown, no oder, dry.	M L 12 56
	İ						

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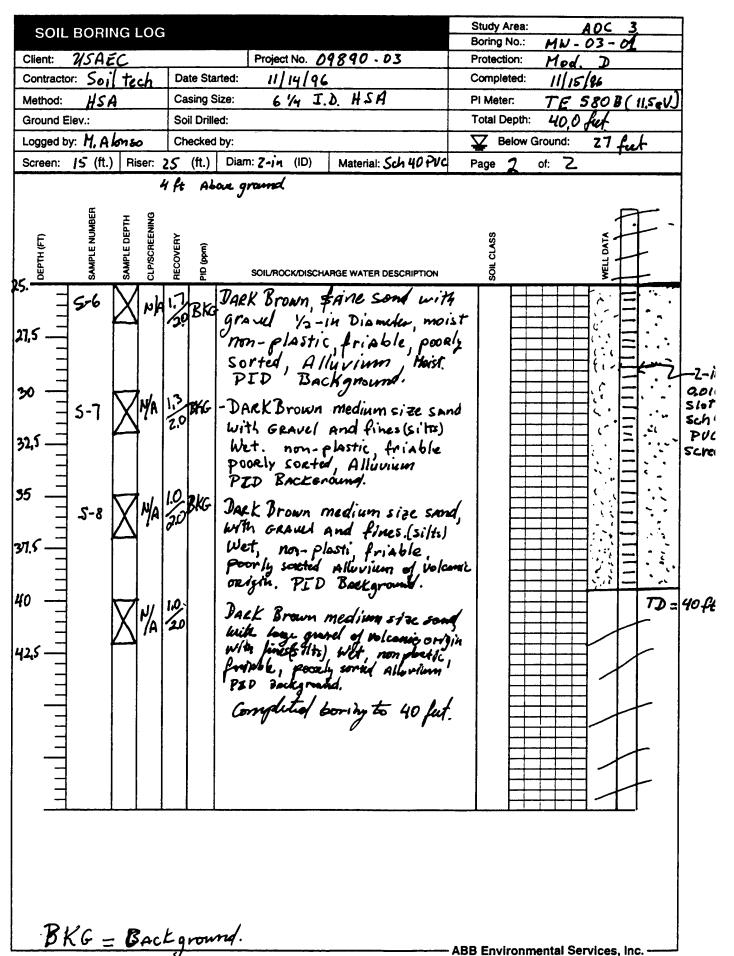
SOIL BORING LOG	i	Study Area: A0C9 Boring No.: 58-09-03
Client: AEC	Project No. 9890-03	Protection: D
Contractor: Soil Tech	Date Started: //~/8-96	Completed:
Method: /+SA	Casing Size: NA	PI Meter: 7E 580 B
Ground Elev.: NA	Soil Drilled: /Ò	Total Depth: /2
Logged by: SO	Checked by:	Below Ground: NA
Screen: MA(ft.) Riser:	NA (ft.) Diam: NA (ID) Material: NA	Page / of: /
SAMPLE DEPTH (FT) 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	SOR CLAY WISIH, medium plasticity brown, no oder, dry SOR CLAY WISIH, medium plasticity brown, no oder, dry SOR CLAY WISIH, medium plasticity, brown, no oder dry Any	CL 10 20 27 27

ABB Environmental Services, Inc. -

SOIL BORING LOG		Study Area: AOC 9				
Client: AEC	Project No. 9890-03	Protection: Mad. Lenel D				
Contractor: Soil TECH	Date Started: //- /7-96	Completed: //- /8 - 96				
Method: /+SA	Casing Size: NA	PI Meter: TE 580B				
Ground Elev.: MA	Soil Drilled: 10	Total Depth: /2				
Logged by: 5. Denelick	Checked by:	☑ Below Ground: NA				
Screen: M(ft.) Riser:	NA (ft.) Diam: NA (ID) Material: NA	Page / of: /				
Screen: MI+(ft.) Riser: 10 11 1 1 1 1 1 1 1 1		Below Ground: NA Page / of: / Page / of: / OH Z				

- ABB Environmental Services, Inc. -

	Contractor: So Method:	il tec s A	4	 	Started:	616	14 - 9 1 II		SA	Comple Pl Met	eted:	to d. V 68	D.	11,7eV)	
	Ground Elev.:			Soil [Orilled:					Total E		40		· (() CV)	1
į	Logged by: \mathcal{M}	Alon	USO	Chec	ked by:	·				∑ E	elow Gro				1
	Screen: 15 (ft.) Ris	ser:	2 6 (1	t.) Dia	am: 2-in (ID)	Material: S	4 40 PVC	Page	/ of	: Z.			
	2.5 — 5-7 7.5 — 5-7 10.0 — 5-7 11.5 — 5-7 20.0 — 5-7		N/A N/A	1.9 B 1.9 B 1.9 B	Ko Ligarion	ARK Brights plas Appending Brown A-friable Officent OFFICE ID - Bo Inflore Inf	tic, sit sures change c	esilts, el gran fiest so or from ound ley silts able, a PID be	non-plas non-plas non-plas ded, dry myle corpues le fine so ry ckground	Aic ML			COUNTY CO	10000000000000000000000000000000000000	Self Processing Communications of the Communication
	22.5	Å	"YA	5.	SAI SAI NO	ndy silt) n-pbuti	clay	e a med ez mixt niable (ts w/fine lius brow wru. white)	7					#Z W.G Hoe
	25.0 - 5-6	X					·						11.0	3,114.	Pack
												ŀ	10	444	



SOIL BORING LOG			OC 3	
Client: USAEC	Project No. 09890 - 03	Boring No.: Mw. Protection: Mod	D 20-02	
Contractor: Soil tech Date S			1/96	
Method: HSA Casing			80 B (11.5 eV)	
Ground Elev.: Soil Dr			t 64s	
Logged by: M. Alonso Checke	ed by:	☑ Below Ground:	,3	
Screen: (ft.) Riser: (ft.) Diam: (ID) Material:	Page / of:		
œ				
JMBE PTH:		_	6	
1 (FT) LE DE CREE CREE		LASS	DATA DATA	-Z-ihch
DEPTH (FT) SAMPLE NUMBER SAMPLE DEPTH CLP/SCREENING RECOVERY	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS	WELL DATA	5ch 40 PVC
			VV VV	IVL
5-1 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	DARK brown fine to medium grained send up silts and glay some what plastic (modustil) moist, some roots, Alluvium clay rish soil.	OH	V V	
25	some what plantic (moderate)		UV PVV	
	moist some roots, Alluvium		122	
	clay rish soil.		VV -6	Cement
5.0 By	G DARK brown clayey silts with fine sond, small quarel < 14" inbedded with clay, plastic non-fairable moist, Alluvium.		VV VVV	GROUT
= 5-7 \ N/A 2.0 BK	fine sond small aparel = 14.11	ОН	VV VVV	
7,5	inbedded with day, plastic		v v	
	non-friable moist allubium		LU VVV	
			VUV VV	
10 = 2 \ N/ 1.3 BKG	Light brown clayey silts wifine br	own HL	~~~ ~~~	
5-3 X NA 2.0 BAG	sand, non-plastic friable, dry			_
12,5	Light brown clayey silts wifine by sand, non-plastic frieble, dry no steue ture, PID backgrown	d		Bentoni
				Seal (Pellets)
	Light homes to white along silts			(15.04)
15 = 5-4 NA 20 8K	Light brown & white clases silts wifine sond and small orbital de non-ploste friable no structure	ML		
35-4 X 1/A 1/20	non-plosty friable no structures PID background Allevium.			
17.5	PID background Allowium.			# n
				# 2 W. G.
		1	1 * * *	Morie
S-5 N/A 1.0 BKG	Light brown to white (Layers) class			sand
= S-5 X N/A 2.0 N/O	w/ fine sond and 7 1/3" GRAVE, dry		l. '.	Park
22,5	non-plastic friable nostauctured PID backsnownd.			. 4616
_	PID backsnound.			
2c - S-(X				
25	1			
			101/4 #1	
			·	
BKG = Background		ADD F		
510016D L4		ABB Environmental Se	rvices, Inc.	

SOIL BORING LOG		Study Area: AOC 3					
		Boring No.: MW - 03 - 02					
Client: USAEC	Project No. 0 98 90 - 03 Date Started: ///15/46	Protection: Mod. D.					
Contractor: Soil tech		Completed:					
Method: HSA	Casing Size: 6 1/4 1	PI Meter: TE 580 B (11.5ev) Total Depth:					
Ground Elev.:	Soil Drilled:						
	the state of the s						
Screen: (π.) Riser:	(π.) Diam: (ID) Material:	Page of:					
30 = 5-7 XM	Checked by: (ft.) Diam: (ID) Material: Soll/ROCKDISCHARGE WATER DESCRIPTION DARK brown Glayer Silts with! Same small Aleke with white fosible froster fills within clarking highly plactic, moist, fracture swife gravel > 1/2" Amoular of volume corigin. DID Back ground. DARK brown fire to medium sand with small morning of 2% grown!, mon-plantin-frieble most Alluvium PID: Backgrown! BKG DARK brown clayer silts with some sand (fine) and ground > 1/2-inch highly floring mon-place noise Alluvium PID: back gnound.						
		ļ					
		ABB Environmental Services, Inc.					

N C	Client: Contracto Method: Ground E Logged b	USA: or: So; HS					Project No. 6 840 27	D11-			
N C	Method: Ground E		<u> </u>		1 _		Project No. 9890-03	Protection		. D	4
L	Ground E	HS	A .	ch	+	te Sta	11 13 10	Complete			4
ī			<u>A</u>		+	sing S		Pl Meter		30 B (11.7 eV)	
	Logged b		ə1 1		+	il Drille		Total De		· · · · · · · · · · · · · · · · · · ·	_
	_			-	<u>- 1</u>	ecked			ow Ground:	16.5 ft	
	Screen:	15 (ft.)) Ris	ser:	15	(ft.)	Diam: 2-1M(ID) Material: Sch.40PVC	Page	of: 2	· · · · · · · · · · · · · · · · · · ·	
hrs	DEPTH (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	F RECOVERY	PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION Dark brown 5:1+ w/ Some fire	soll class	-1-1-1	WELL DATA	6
	.s-		Δ	'%A	26	BKG	to med. 5 and, slightly place Poorly graded, damp. PID = BKG, Hedspace = 0.088	stic.		// / / / / / / / / / / / / / / / / / /	Ce G
	.o — - - 	5-2	X	%	1.7'	BKG	Dark brown silt wifine sand lenses, loose, poorly graded damp. PID = BKG on s poon. Heads pace = pppn			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Be
	2.5	5-3	X	N/A	1.8° 2.0°	BKE		الم			F
15	7.5	S-4	X	%	1.7', 20'			m on			14
22	0.0	<i>5</i> -5	X	14	1.0° 2.6°	BKG	Sunilar 1 & 11 - and a	se con			W. He Si
25	5.0.3	ક-દ્ર	X				bgs.	7'		10 14"	0.0
							BGS: BElow Ground				Puss

77.5 30 S-7 No recovery (massureable); some med growel in tip of spoon. Honitain, well completed to 30 ft Bls.	SOIL BORING LOG	Study Area: ACS	
Contractor: Soil Tack Date Standed: - 3-96 Completed: - 5808 (117eV) Method: HSA Casing Size: Ch." ID PI Meter: 1E 5808 (117eV) Ground Elev: Soil Drilled: Total Depth: Logged by: R. Rendy fao. Checked by: Screen: 15 (ft.) Riser: 16 (ft.) Diam: 2-in (ID) Material: 5th. 40 PM Page 2 of: 2 Soil-ROCKDISCHARGE WATER DESCRIPTION Soil-ROCKDISCHARGE	Client: /ISAFC. Project No. 7890-03		
Method: H.S.A. Casing Size: Ch. ID PI Meter: 7E 580 8 (1/7eV) Ground Elev: Soil Drilled: Total Depth: Logged by: R. Rodd to. Checked by: Screen: 15 (ft.) Riser: 15 (ft.) Diam: 2-in (ID) Material: Sol. 40 PM. Page 2 of: Z Below Ground: Page 4 of: Z Below Ground: Page 2 of: Z Soil ROCK/DISCHARGE WATER DESCRIPTION Soil Rock Soil Rock Discharge WATER DESCRIPTION Soil Rock Soil Rock Discharge WATER DESCRIPTION Soil Rock Soil Rock Discharge WATER DESCRIPTION Soil R			
Ground Elev: Logged by: R. Pandul to. Checked by: Screen: 15 (ft.) Riser: 15 (ft.) Diam: Z-In (ID) Material: Sul. 1991. Page 2 of: Z Solurockoscharge water description So	Method: H.SA Casing Size: Gu" ID	PI Meter: TE SBOB (117eV)	
Screen: 15 (ft.) Riser: 16 (ft.) Diam: 2-in (ID) Material: Sch. 40 PML Page 2 of: Z Line Had an			
Screen: 15 (ft.) Riser: 16 (ft.) Diam: 2-in (ID) Material: Sch. 40 PML Page 2 of: Z Library Management of the State of th	Logged by: R. Pendir to Checked by:	☑ Below Ground:	
Solutrockolischarge water description Solutrockolischarg		Page 2 of: Z	
ABB Environmental Services, Inc.	Solutrockolscharge water Description Solutrockolscharge water Descrip	SOIL CLASS SOIL CLASS	TO 30

SOIL BORING LOG		Study Area: AOC 9
Client: VSAEC	Project No. 09890 03	Protection: Mb- 09-01
	te Started: 1//14/96	Completed:
	sing Size: 6 1/4	PI Meter: TE 580B (1.5 eV)
	il Drilled:	Total Depth:
Logged by: Che	ecked by:	∑ Below Ground:
	(ft.) Diam: (ID) Material:	Page / of: 2
		* TRAiler Mounted drill Rig.
m.		CME 45 B
MBE.		140 Lbs Hammer
DEPTH (FT) SAMPLE NUMBER SAMPLE DEPTH CLP/SCREENING RECOVERY	Œ	Ϋ́Υ Τ̈́Υ ,
EPTH AMPL LP/SC	E d. C.	SOIL CI
		PUC
J 5-1 X 1/A 1/201	BKG JARK Brown sitty soud (fine to me growed) with grovel (1/2" to 1") non-plost ve, friendle, dry, Allun	dum 13 13 12 15 VVV VVV Cement
25	permit has group [1/2 to 1]	
	Ton- Front C, Fristore, ary Human	Bentonik Pellet
		GEAU
5 7 0.3	BKG DARK brown clayersits highly-plastic, non-friable, moist Alluvium PID Background	25 18 16 15
3-2 X X 20	highly-plastic, non-freable, moist	
7.5.	AlloVium PID Background	
"		
7		
10 - 10 10	PARK brown to brown clayey silt	#Z W.G
5-3 X /A 20	Blo high mod plastic, friable, moist	3 5 8 12 - : Honie
12,5	DARK brown to brown clayeysilt BIG high mod. plastic, friable, moist Alluvisms. PID Backgnound. Gray moterial fills fracturalirryula	SAUD SAUD
	Gray moterial fills fractures (inregula	Pack
15	DORKbrain dayer silts with against	/
75-4 \ MA 0.1	BKG plottic, non-final-with george but surple Alberton. pookly son	17 25 50
17,5	but sarple. Alburum. pookly sox	ted.
' ' '		
20	DARK brown clayers 1ts with GRA	all in a second
= 5-5 X 1/A	(2144) highty-plastic non-friable	ZO 8 1Z 18
	DARK brown clayeysilts with GRA (2149) highty-plastic non-friable Alluvium - pooely souted moist.	
22,5		
25 - 5-6	See description on pace 2	TD= 254
	•	
7	,	
BKG = BACK ground		ABB Environmental Services, Inc.
610016D L4		

SOIL BORING LOG	Study Area: AOC 9
	Boring No.: <u>HW-09-01</u>
Client: USAEC Project No. 09890.03 Contractor: Soi / Tech Date Started: 11/17/96	Protection: Mod. D Completed:
.	
	PI Meter: TE 580 B(II, SEV) Total Depth:
Ground Elev.: Soil Drilled:	
Logged by: M. Alouso Checked by:	Below Ground:
Screen: (ft.) Riser: (ft.) Diam: (ID) Material:	Page Z of: Z
DEPTH (FT) SAMPLE NUMBER SAMPLE DEPTH (FT) CLP/SCREENING RECOVERY PID (Ppm) PID (Ppm) PID (Ppm)	SOIL CLASS
Dark brown fine to medium grow send wak alay softs and grown fine to medium grow send wak alay softs and grown fine to medium grow wak alay softs and grown fine to medium grow wak alay softs and grown fine to medium grow wak alay softs and grown fine to medium grow send wak alay softs and grown fine to medium grow wak alay softs and grown fine to medium grow wak alay softs and grown fine to medium grow wak alay softs and grown fine to medium grow wak alay softs and grown fine to medium grow wak alay softs and grown fine to medium grow wak alay softs and grown fine to medium grow wak alay softs and grown fine to medium grow wak alay softs and grown fine to medium grow wak alay softs and grown fine to medium grow wak alay softs and grown fine to medium grow wak alay softs and grown fine to medium grow wak alay softs and grown fine to medium grow wak alay softs and grown fine to medium grow wak alay softs and grown fine to medium grow wak alay softs and grown fine to medium grow wak alay softs and grown fine to medium grow wat alay softs and grown fine to medium grow wat alay softs and grown fine to medium grow wat alay softs and grown fine to medium grow wat alay softs and grown fine to medium grow wat alay softs and grown fine to medium grow wat alay softs and grown fine to medium grow wat alay softs and grown fine to medium grow wat alay softs and grown fine to medium grow wat alay softs and grown fine to medium grow wat alay softs and grown fine to medium grow wat alay softs and grow wat alay softs and grown fine to medium grow wat alay softs and grow wat alay so	Land Land
BKG z backgrand.	- ABB Environmental Services, Inc.



SOIL VAPOR SURVEY RESULTS AND LABORATORY REPORT

W001976APP



BLANK-CORRECTED SOIL VAPOR SURVEY RESULTS

W001976APP

TABLE C-1 SOIL VAPOR SCREENING SURVEY BLANK-CORRECTED ANALYTICAL RESULTS

FORT ALLEN PHASE I SITE INSPECTION JUANA DIAZ, PUERTO RICO

SITE	MODULE	BLANK CORRECTED BTEX, ug	BENZ, ug	BLANK CORRECTED TOL, ug	EtBENZ, ug	BLANK CORRECTED mpXYL, ug	oXYL, ug	BLANK CORRECTED C11,C13&C15, ug
	MDL =	0.02	0.03	0.03	0.02	0.02	0.03	0.02
SV-08-01	129536	00:00	00.00	00.0	00:0	00.00	00:00	0.00
SV-08-02	129537	0.00	0.00	00.00	0.00	00.00	0.00	0.00
SV-M9-01	129518	00.00	00.00	00.00	00:0	00.00	00.0	00.0
SV-M9-02	129519	0.00	0.00	00.0	00.0	00.00	00.00	
SV-M9-03	129520	0.00	0.00	00.0	0.00	00.0	00.00	
SV-M9-04	129521	0.00	00.00	00.0	00:00	00:00	00.00	00:00
SV-M9-05	129522	0.00	00.00	0.00	00:0	0.00	00:00	
SV-M9-06	129523	0.00	0.00	00.00	0.00	00:00	0.00	0.00
10-MM-VS	129524	00.00	00.00	00.00	00:0	00.00	00.0	00:00
SV-WW-02	129525	00:00	0.00	0.00	00:00	00.00	00.0	00:00
SV-WW-03	129526	00:00	00.00	00.0	00:0	00.00	00.0	0.00
10-Dd-AS	129527	79.	00.00	28.0	00:0	00:00	00.0	600
SV-PC-02	129528	1.12	00.00	990	00:0	00:00	00.0	00.0
SV-PC-03	129529	00.0	00.00	0.00	00.0	00:00	00.0	00:00
SV-PC-04	129530	00.00	00.00	00.00	00:0	0.00	00.00	0.00
SV-PC-05	129531	0.00	0.00	00.00	0.00	0.00	0.00	00.00
SV-PH-02	129533	911	00.0	900	00:0	00:00	00.0	00.00
SV-PH-03	129534	0.65	0.15	K o	00:0	600	00.0	980
SV-PH-04	129535	1.32	00.00	980	0.00	00:00	0.00	0.13
Trip Blant 1	120538	0 03	5	200	8	000	000	80.0
	2007	24.5	9	27.0	3	9		200
Trip Blank 2	129539	0.14	00.0	0.14	00:0	0.00	00.0	0.03
Method Blank		0.03	00.00	0.03	00:0	0.03	0.00	0.00

TABLE C-1 SOIL VAPOR SCREENING SURVEY BLANK-CORRECTED ANALYTICAL RESULTS

FORT ALLEN PHASE I SITE INSPECTION JUANA DIAZ, PUERTO RICO

		BI ANK						
SITE	MODULE	CORRECTED				-		
٥	NUMBER	UNDEC, ug	TRIDEC, ug	PENTADEC, ug	NAPH&2-MN, ug	NAPH, ug	2MeNAPH, ug	TMBs, ug
	MDL =	0.04	0.02	60.03	9.0	0.03	0.03	
SV-08-01	128536	00:00	00:00	00:0	0.0	80	00.00	000
SV-08-02	128537	00:0	00.0	0.00	00.0	000	000	8
SV-M9-01	128518	00:0	00.0	00:0	000	900	000	800
SV-M9-02	128519	0.00	0.00	000	000	000	8 6	8 8
SV-M9-03	128520	000	0.00	0.00	0.00	00.0		8 8
SV-M9-04	128521	00:0	0.00	00:0	0.00	00.00	000	8 6
SV-M9-05	128522	00:00	00.0	0.00	0.00	00.0	900	000
SV-M9-06	129523	00:00	00.0	00:0	0.00	000	00.0	000
SV-WW-01	128524	00:0	00.0	00:0	000	000	000	900
SV-WW-02	128525	00.0	00.00	0.00	000	000	000	000
SV-WW-03	129526	0.00	00:00	00:0	00:0	0.0	000	000
SV-PC-01	128527	00:00		00:0	000	000	00.0	000
SV-PC-02	128528	0.00	00'0	00:0	0.00	00	000	000
SV-PC-03	129529	0.00	00:0	00.0	000	800	000	000
SV-PC-04	129530	0.00	000	00.0	000	000	00.0	00 0
SV-PC-05	129531	0.00	0.00	000	0.00	000	000	00.00
SV-PH-02	129533	9.0 0	00.00	00:0	0.00	00.00	00.0	000
SV-PH-03	128534				0.00	000	000	
SV-PH-04	129535	00.00			0.00	0.0	000	0.00
Trio Blank 1	128538	a c	6	8	Č	8		
		3	3	3	30	3	900	800
Inp Blank 2	128539	8	00:0	00.0	00.0	0.00	00.00	0.00
Method Blank		0.0	0.00	00.0	00.0	000	000	2
							25:5	3

TABLE C-1 SOIL VAPOR SCREENING SURVEY BLANK-CORRECTED ANALYTICAL RESULTS

FORT ALLEN PHASE I SITE INSPECTION JUANA DIAZ, PUERTO RICO

				-						
SITE	MODULE									
Q	NUMBER	135TMB, ug	124TMB, ug	t12DCE, ug	11DCA, ug	c12DCE, ug	CHCl3, ug	PCE, ug	111TCA, ug	12DCA, ug
	# TIDW	0.02	0.02	90.0	10.0	0.02	10.0	60.03	0.02	0.02
SV-08-01	129536	00.00	00.0	00.0	00.00	00:00	00'0	00.00	0.00	00.0
SV-08-02	129537	00.00	00:00	00:0	0.00	0.00	00.00		0.00	00.00
SV-M9-01	129518	00.0	0.00	00.00	00.00	00.00	0.00		00.00	00.00
SV-M9-02	129519	00:00	00.00	00:0	00.00	00.00	Si o		0.00	00.00
SV-M9-03	129520	0.00		0.00	00.00	00.00	81.0		0.00	00.00
SV-M9-04	129521	00.00		0.00	00.00	00.00	00.0	0.33	00.00	00.00
SV-M9-05	129522	00.00		00:0	00.00	00.00	0.00		00.00	00.00
SV-M9-06	129523	00.00		00.0	00.00	00.00	600		00.00	0.00
SV-WW-01	129524	00:0	00.0		00.0	0.00	900		0.00	00.0
SV-WW-02	129525	00:00			00.00	0.00	200		00.0	00.00
SV-WW-03	129526	00:00	0.00		00.00	00.00	a 10	0.00	00.00	0.00
SV-PC-01	129527	00:00	00:0	00:00	00.0	00.00	00.00	00.00	00.00	00.00
SV-PC-02	129528	0.00		0.00	00.00	00.00	00.00	00.0	0.0	0.00
SV-PC-03	129529	00:00		0.00	00.0	00.00	0.00	0.00	0.0	0.00
SV-PC-04	129530	00:00		0.00	00.0	00:00	0.00	0.00	0.00	00.00
SV-PC-05	129531	0.00	0.00	0.00	0.00	00.00	0.26	00.00	0.00	00.00
SV-PH-02	129533	00'0		00:00	00.0	00.00	00:00	00:00	00:0	00.0
SV-PH-03	129534	0.02	935	00.00	00.0	00.00	0.00	0.00	0.0	0.00
SV-PH-04	129535	0.00	0.00	00:00	0.00	00.00	0.00	00.00	0.00	0.00
Trin Blank 1	120538	C		5		C	C	c	C	C
Carry Carry	2000		9	3	00.0	3	9	9 1	9	
Trip Blank 2	129539	0.00		00.00	00:0	00.0	00.0	00.0	00.0	00.0
Method Blank		00.00	0.00	00.0	00.00	0.0	00.00	00.00	0.00	0.00
				-		T	J			

TABLE C-1 SOIL VAPOR SCREENING SURVEY BLANK-CORRECTED ANALYTICAL RESULTS

FORT ALLEN PHASE I SITE INSPECTION JUANA DIAZ, PUERTO RICO

SITE	MODULE	MTBE	20 21 21 21	TCF	7.00 2.100	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	200	A	V V
	MDL =	0.16	9.0			0.02	0.02	900	And Commission of the Commissi
SV-08-01	128536	0.00	0.00	0.00	0.00	0.00	0.0	000	000
SV-08-02	129537	0.00	0.00	0.00	0.00	0.00	0.0	80	000
SV-M9-01	128518	0.00	00.0	00.0	00.0	0.0	0.0	0.00	
SV-M9-02	128519	0.0	00.0	0.00	0.00	00.0	00.00	080	0.00
SV-M9-03	128520	0.0	0.00	0.00	000	00.0	00.0	0.00	0.0
SV-M9-04	129621	0.00	0.0	0.0	0.0	0.0	00.0	0.00	0.00
SV-M9-05	128622	0.00	0.00	0.00	0.0	00.00	0.0	0.00	0.00
SV-M9-06	128523	0.00	0.00	0.00	0.00	00.00	000	0.00	0.00
SV-WW-01	128624	0.00	00.0	00.00	00.0	000	00.0	00.0	0.0
SV-WW-02	128625	8.0	0.0	0.0	0.0	0.0	00.0	000	000
SV-WW-03	128528	0.00	00.00	0.00	0.00	0.00	000	0.00	0.00
SV-PC-01	128627	0.00	00.0	00.00	00.0	00:0	00.0	0.00	0.00
SV-PC-02	128528	0.0	0.0	0.00	0.0	00:0	00.0	0.00	0.0
SV-PC-03	128529	0.0	0.0	0.0	0.00	0.00	00.0	0.00	0.00
SV-PC-04	129530	0.0	0.0	0.0	0.0	0.0	00.0	0.00	0.00
SV-PC-06	128631	0.00	00.00	0.00	0.00	0.00	00.00	0:00	0.00
SV-PH-02	129533	0.0	0.00	00.00	00.00	00.0	00.0	0.00	0.00
SO-HA-VS	128634	8.0	0.00	00.0		00.0	00.0	0.00	0.00
SV-PH-04	128535	0.00	0.00	00:00	0.00	0.00	0.00	0.0	0:00
Trip Blank 1	128638	000	000	900	000	0	6	8	8
Trin Blank 2	120630	8	8	8	3 8	3 6	3 8	3	3
Y 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	80087	3	3	3.	3	9.0	9	8.6	000
Method Blank		0.00	0.00	0.00	0.00	0.00	0.00	00:0	000
									The second secon

TABLE C-1 SOIL VAPOR SCREENING SURVEY BLANK-CORRECTED ANALYTICAL RESULTS

FORT ALLEN PHASE I SITE INSPECTION JUANA DIAZ, PUERTO RICO

SITE	MODULE						BLANK CORRECTED Petroleum
	NUMBER	Fluorene, ug	PHEN, ug	Anthracene, ug	Fluoranthene, ug	Pyrene, ug	Hydrocarbons, ug
	MDL =	20.0	0.04	0.10	0.17	0.24	
	129536	00'0	00.0	00:00	00:0	00.00	0.00
	129537	00.00	00.00	00:00	00:0	00.00	0.00
	129518	00'0	00.00	00:0	00:00	00.00	0.00
SV-M9-02	129519	00.00	0.00	00:0	00:00	00.00	00:00
	129520	00:0	0.00	00:0	0.00	00.0	00:00
SV-M9-04	129521	00.00	00.0	00:00	00:0	00:00	00:0
SV-M9-05	129522	00.00	00.00	00:0	0.00	00.0	00:00
SV-M9-06	129523	00.00	00.00	00:0	00:00	00.0	0.00
SV-WW-01	129524	00.00	00:0	00.0	00:0	00.0	0.00
SV-WW-02	129525	00.00	00.0	00:0	00:0	0.00	0.00
3	129526	00.00	00.00	00:00	0.00	00.00	0.00
SV-PC-01	129527	00.00	00.0	00:00	00:00	0.00	12.67
	129528	0.00	00.00	00:00	0.00	00:00	00:00
SV-PC-03	129529	0.00	00.00	00:00	0.00	0.00	0.00
	129530	00.00	00.00	00:0	0.00	00:0	0.00
SV-PC-05	129531	00.00	0.00	00:0	0.00	0.00	0.00
	129533	00:0	00.0	00.0	00.00	00.0	00.0
SV-PH-03	129534	00.0	00.0	00.0	00.00	00.0	33.26
SV-PH-04	129535	0.00	0.00	0.00	0.00	0.00	3.53
	4000	0	0	i d			
	129330	0.0	00.0	00.0	00.0	3.5	4.52
Trip Blank 2	129539	0.00	0.00	0.00	00.00	00.00	1.82
		G C	ć	Č	C	C C	
Method Blank		0.00	0.00	0.00	0.00	0.00	0.20

- Phenanthrene, Anthracene, Fluoranthene, and Pyrene were quantitated using responses from Fluorene.
 Blank-corrected data was calculated by subtracting the maximum value of the analyte detected in the blanks (Trip and Method blanks) from the raw value (presented in the laboratory report).
 - 3) Shaded cells indicate positive analyte concentrations. MDL = Method Detection Limit

SOIL VAPOR SURVEY LABORATORY REPORT



W. L. GORE & ASSOCIATES, INC.

101 LEWISVILLE ROAD • P.O. BOX 1100 • ELKTON, MARYLAND 21922-1100 PHONE: 410/392-3300 FAX: 410/996-3325 • TELEX 467637 GORE FB ELKT ENVIRONMENTAL PRODUCTS GROUP

1 of 5

GORE-SORBERSM Screening Survey Final Report

National Guard Base Puerto Rico

December 20, 1996

Prepared For:
ABB Environmental Services
110 Free Street
Portland, ME 04112-7050

W.L. Gore & Associates, Inc.

Written/Submitted by

Ray Fenstermacher, P.G.

Associate

W.L. Gore & Associates, Inc.

Reviewed/Approved by

Jay W. Hodny, M.S.

Associate

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GORE-SORBER^{5m} Screening Survey Final Report

REPORT DATE: December 20, 1996

AUTHOR: RFF

SITE INFORMATION

Site Reference: National Guard Base, Puerto Rico Customer Purchase Order Number: NE646437G

Gore Production Order Number: 070694

Gore Site Code: VN

FIELD PROCEDURES

Modules shipped: 22

Installation Date(s): November 16 - 17, 1996

Modules Installed: 20

Field work performed by: ABB Environmental Services

Retrieval date(s): December 3, 1996

Modules Retrieved: 19

Exposure Time: 16-17 [days] # Trip Blanks Returned: 2

Modules Lost in Field: 1

Unused Modules Returned: -0-

Date/Time Received by Gore: December 4, 1996 @ 12:30 pm By: CJF

Recorded Cooler/Water Temperature Control Blank temperature: 6.2 [°C]

Chain of Custody Form attached:

Chain of Custody discrepancies: Trip blanks were not designated on the first page of the

chain of custody.

Comments: Temperature of the water control blank slightly exceeded the generally accepted

criteria for preservation of environmental samples, 4.0 ± 2.0 °C.

GORE-SORBERsm Screening Survey **Final Report**

ANALYTICAL PROCEDURES

W.L. Gore & Associates' Screening Module Laboratory operates under the guidelines of its Quality Assurance Manual, Operating Procedures and Methods. The quality assurance program is consistent with Good Laboratory Practices (GLP) and ISO Guide 25, "General Requirements for the Competence of Calibration and Testing Laboratories", third edition, 1990. The Laboratory is audited regularly by a quality system design, development and auditing company.

Instrumentation consists of Hewlett-Packard 5890 gas chromatographs and 5971 mass selective detectors, as well as Perkin-Elmer ATD 400 automated thermal desorption units. Sample preparation simply involves cutting the tip off the bottom of the sample module and transferring one or more exposed sorbent containers (sorbers, each containing 40mg of a suitable granular adsorbent) to a thermal desorption tube for analysis. Sorbers remain clean and protected from dirt, soil, and ground water by the insertion/retrieval cord, and require no further sample preparation.

Screening Method Quality Assurance:

Before each run sequence, two instrument blanks, a sorber containing 5µg BFB (Bromofluorobenzene), and a method blank are analyzed. The BFB mass spectra must meet the criteria set forth in our methods before samples can be analyzed. A sorber containing BFB is also analyzed after every 30 samples and/or trip blanks, as is a method blank. Standards containing the selected target compounds at three calibration levels of 5, 20, and 50µg are analyzed at the beginning of each run. The criterion for each target compound is less than 35% RSD (relative standard deviation). If this criterion is not met for any target compound, the analyst has the option of generating second- or third-order standard curves, as appropriate. A second-source reference standard, at a level of 20µg per target compound, is analyzed after every ten samples and/or trip blanks, and at the end of the run sequence. Positive identification of target compounds is determined by the presence of the target ion and at least two secondary ions. retention time versus reference standard, and the analyst's judgment.

NOTE: All data have been archived. Any replicate sorbers not used in the initial analysis will be discarded fifteen (15) days from the date of analysis.

Laboratory analysis: thermal desorption, gas chromatography, mass selective detection

Quality Assurance Level: 2 (ANA-4/A1)

Instrument ID: # 2 Chemist: JW

Data Subdirectory: 070694 Compounds/mixtures requested: Expanded VOC/SVOC Target Compound List (A4)

Deviations from Standard Method: None

Comments: Soil vapor analytes and abbreviations are tabulated in the Data Table Key (page 5).

GORE-SORBER^{5m} Screening Survey Final Report

DATA TABULATION

CONTOUR MAPS ENCLOSED: No maps were prepared with this data.

NOTE: All data values presented in Appendix A represent masses of compound(s) desorbed from the GORE-SORBER Screening Modules received and analyzed by W.L. Gore, as identified in the Chain of Custody (Appendix A). The measurement traceability and instrument performance are reproducible and accurate for the measurement process documented. Semi-quantitation of the compound mass is based on either a single-level (QA Level 1) or three-level (QA Level 2) standard calibration.

Comments:

• None

GORE-SORBER is a registered trademark of W. L. Gore & Associates, Inc.

GORE-SORBERsm Screening Survey Final Report

KEY TO DATA TABLE National Guard Base, Puerto Rico

UNITS

μg micrograms (per sorber), reported for compounds for which we

run external standards.

MDL method detection limit

ANALYTES

BTEX combined masses of benzene, toluene, ethylbenzene and total xylenes

(Gasoline Range Aromatics)

BENZ benzene
TOL toluene
EtBENZ ethylbenzene
mpXYL m-, p-xylene
oXYL o-xylene

C11,C13&C15 combined masses of undecane, tridecane, and pentadecane (C11+C13+C15)

(Diesel Range Alkanes)

UNDEC undecane
TRIDEC tridecane
PENTADEC pentadecane

NAPH&2MN combined masses of naphthalene and 2-methyl naphthalene

NAPH naphthalene

2MeNAPH 2-methyl naphthalene

TMBs combined masses of 1,3,5-trimethylbenzene and 1,2,4-trimethylbenzene

135TMB 1,3,5-trimethylbenzene
124TMB 1,2,4-trimethylbenzene
t12DCE trans-1,2-dichloroethene
11DCA 1,1-dichloroethane
c12DCE cis-1,2-dichloroethene

CHC1₃ chloroform
PCE tetrachloroethene
111TCA 1,1,1-trichloroethane
12DCA 1,2-dichloroethane
MTBE methyl t-butyl ether
CC1₄ carbon tetrachloride
TCE trichloroethylene

OCT octane

CIBENZ chlorobenzene
14DCB 1,4-dichlorobenzene
PHEN phenanthrene

BLANKS

TBn unexposed trip blanks, which traveled with the exposed modules

method blank, retained at Gore

APPENDIX A:

1. CHAIN OF CUSTODY 2. DATA TABLE

GORE-SORBER® Screening Survey Chain of Custody

For W.L. Gore & Associates use of	nly —
Production Order #	75694



W. L. Gore & Associates, Inc., Environmental Products Group 101 Lewisville Road • Elkton, Maryland 21921 • Tel: (410) 392-3300 • Fax (410) 996-3325

Instructions: Customer must con											
Customer Name: ABB ENVIRONME	NTHL S	5531653	Site Name:	NATIONAL GO	LARD B	158					
Address: 110 FREE ST			Site Address:								
PORTLAND ME	84112	-7050		PLERTO RIC	C						
(ROD PENDLETON)			Project Manager:	JUAN CRU							
Phone: 207 775 5400			Customer Project N								
FAX: 207 772 4762			-	1£ 646437 6 Qu	ote #: BK	684 G					
Serial # of Modules Shipped			# of Modules for In	stallation 20 #	of Trip Blan	ks 2					
# 129518 through #	129539	7	Total Modules Ship		Pie	ces					
# through #			Total Modules Rec		Pie	ces					
# through #			Total Modules Inst	alled: 20	Pie	ces					
# through #			Serial # of Trip Bla	nks (Client Decides)	#						
# through #			#	#	#						
# through #			#	#	#						
# through #			#	#	#						
Installation Performed By:			Installation Method	(s) (circle those that a	pply):						
Name (please print): Scott Done lick	<u>. </u>		Slide Hammer	Hammer Drill	Auger						
Company/Affiliation: ABB ES			Other: Geoprate	park hole							
Installation Start Date and Time: //-/6-96		1	1	1425:	AM/PM)					
Installation Complete Date and Time: 1/-	17-96	/	1	11:48	AM)PM						
Retrieval Performed By:			Total Modules Retr	ieved: 19	Pie	ces					
Name (please print): Sort Donelic	<i>x</i>	Total Modules Lost		Pie	ces						
Company/Affiliation: ABB-ES		Total Unused Modu	iles Returned:	Pie	ces						
Retrieval Start Date and Time:		196	7:54	AM) PM							
Retrieval Complete Date and Time:	Ja	1 96 9:10 (AM) PM									
			ending Completion of Lab Analysis []								
		one", if ap	pplicable.								
	nalyte #2:	···	Analyte #3:								
Other Instructions, if any:	T					, 					
Relinquished By CA - on then	Date	Time	Received By:		Date	Time					
Affiliation: W.L. Gore & Associates, Inc.	11/5/94			ABB-ES		08 එ					
Relinquished By Hint will	Date	Time	Received By:		Date	Time					
Affiliation: ABB ES	12.3.96	1600	Affiliation:								
Relinquished By	Date	Time	Received By: () tondrin	Date	Time					
Affiliation				ore & Associates, Inc.	12/4/96	12:30					
	Temp	perature	of Samples When I	Received By Gore	6.2	°C					

GOR	E-SORBE	R [®] Screening	Survey	SITE	NAME	& LOC	ATION	Į	
		Retrieval Log	•	FOR	T ALLE	N ALE	SETO F	RICO	
			• • • • • • • • • • • • • • • • • • •	1		7			
Page	of	este tak							and the property of the
LINE #	MODULE#	INSTALLATION DATE/TIME	RETRIEVAL DATE/TIME	HYDI	DENCE OF ROCARBO OT ROCARBO Bock as appr	NS (LPH) N ODOR	WA	ULE IN TER k one)	COMMENTS
				LPH	ODOR	NONE	YES	NO	
1.	129518 /	11-16 46 / 1425	12-3-16/0858					V	5V-M9-01 /0000
2.	124519 -	1146 76/ 1434	1 /0901			/		<u></u>	SV-M9-02/000
3.	129520 V	1146-96/1437	10903			1/		~	54-M9-05/0000
4.	129521 /	1176-96/ 1456	10907			V		V	5:-M4-04/0 pan
5.		11-16-96/1555	10910	<u> </u>	<u> </u>	<u></u>	<u> </u>	<u></u>	51-44-05(Bpon
6.	129523 ~	11-16-96 1515	10910			رز		1	51-M9-06/0000
7.	124524	1d1796 / 0941	10810			/		1	Sid-Und. CI TO pom
8.	129525 2	1177-16/0922	10808			<u> </u>		~	5:-w2 25 (\$00m)
9.	129526	11-17-16/0931	10807			V		-	Sy-w-03/800,m
10.	129527	4-1746/1002	/0830						SU-16-01 18 ppm
11.	129528	11-17-46/1055	1083i			<u> </u>	<u> </u>	1	SV.KIZ /BOPM
12.		11-17-4/1047	1833			V		<u> </u>	50-A-05 (Epem)
13.		4-17-96/1040	10836			<u></u>		1	5PC-CY (xppm
14.		VH7-16/0952	10836	ļ		V		<u> </u>	5:-12-05 (10 pgm)
15. NH		1-17-6/1131	NOT LOCATED			<u> </u>		<u></u>	SU-PH-OI (X DOM
16.		11-17-6/1136	/ 08 43			V		<u> </u>	SV-PH-02 600pm
17.		11-1746/1142	10824			<u> </u>			55-PH-03 (6pm)
18.		11-17-96/1148	/ 0825			V		1	514-04 (2,00m)
19.		11-17-76/1118	/ 075					<u>em</u>	5V-08-01 / 01000
20.	1245374	1-17-96/1107	V 10756	<u>, </u>		1	<u></u>	سلا	50-08-02 (ppp.
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42.				1					

GORE SORBER SCREENING SURVEY ANALYTICAL RESULTS ABB ENVIRONMENTAL SERVICES, PORTLAND, ME GORE EXPANDED TARGET VOCs/SVOCs (A4) NATIONAL GUARD BASE, PUERTO RICO PRODUCTION ORDER #070694

DATE	-											
BTEX, ug		BENZ, ug	TOL, ug	EtBENZ, ug	mpXYL, ug	oXYL, ug	C11,C13&C15, ug	UNDEC, ug	TRIDEC, ug	PENTADEC, ug	NAPH&2-MN. ug	NAPH. ug
0			0.03	0.02	L			0.04	0.02	<u> </u>		0.03
0	8	0.00	0.0	0.00	0.00				00.00			0.00
0	0.00	0.00	0.00	00.0		0.00			00.00			0.00
0	0.07	0.00	0.07	00.00	00.00		00.0	00.0	00.0			0.00
- 1	0.00	0.00	0.00	0.00		0.00	0.01	0.01	0.00			0.00
	0.00	0.00	0.00	00.0					00.00			0.00
	0.13	0.00	0.13	00.0		0.00			0.00			00.0
	0.14	0.00	0.14	00.0	0.00	0.00		0.05	00.00			0.00
	0.07	0.00	0.07	0.00					0.00	0.00	00.00	0.00
	90.0	0.0	0.06	0.00		0.00	0.01	0.01	00.00			0.00
	1.05	0.00	1.05	00.00	00.0	0.00	0.11	90:0	0.04			0.00
- 1	0.80	0.0	0.78	0.00					0.00			0.00
- 1	0.00	0.0	0.00	0.00			0.01	0.01	0.00	0.00		0.00
- 1	0.0	0.0	0.0	0.00		0.00			0.00	00.0		0.00
	0.00	0.0	0.0	0.00	0.00		00.00	00.0	0.00	00.0	0.00	0.00
- 1	0.28	0.0	0.28	0.00					00.0	0.00	00.00	0.00
	0.64	0.15	0.44	0.00		0.00	06.0	0.12	0.27	0.51	00.0	0.00
Į	0.89	0.0	0.89	0.00	00'0		0.21	90:0	90.0	0.10	00.0	0.00
- 1	0.15	0.0	0.12	0.00	0.03	00:00	0.05	0.05	0.00	00.0	00.0	0.00
- 1	90.0	0.00	90.0	0.00	00'0	0.00	00.0	00.0	00.0	00.0	00.00	0.00
- 1	-											
ı	1.05	0.15	1.05	0.00	0.06	00.00	06:0	0.12	0.27	0.51	0.00	0.00
	60	0	6	000	000							
- 1	0.43	0.00	0.23	0.00	0.00		0.08	0.08	0.00	0.00	0.00	0.00
- 1	0.14	0.0	0.14	0.00	0.00	0.0	0.03	0.03	0.00		00.00	0.00
- []												
	0.06	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	00:0	0.00	0.00

Note: Phenanthrene, Anthracene, Fluoranthene, and Pyrene were quantitated using responses from Fluorene. 12/20/96

VNRPT.xls

GORE SORBER SCREENING SURVEY ANALYTICAL RESULTS ABB ENVIRONMENTAL SERVICES, PORTLAND, ME GORE EXPANDED TARGET VOCS/SVOCs (A4) NATIONAL GUARD BASE, PUERTO RICO PRODUCTION ORDER #070694

	TCE, ug	0.05	0.0	0.0	0.0	000	000	0.00	0.0	0.00	0.0	0.00	0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0		0.0		0.00	0.00	0.00
	CCA.	9	0.0	0.8	0.00	000	0.00	0.0	0.00	0.00	0.0	0.8	8.8	0.0	0.0	0.08	0.00	0.0	0.00	0.8	0.00		8.0		0.0	0.00	0.0
	MTBE, ug	0.16	0.0	0.00	0.0	000	0.8	00.00	0.0	0.0	0.00	0.0	0.00	0.0	0.0	0.0	0.00	0.0	0.0	8.0	0.00		0.00		00.0	0.00	 0.00
	12DCA, ug	0.02	00.0	00.00	0.0	00.0	0.00	0.00	00.0	0.0	0.00	00.0	0.00	0.00	0.0	0 8 8	0.0 0.0	0.0 0	0.00	0.00	0.00		00:0		0.00	0.00	0.00
	111TCA, ug	0.02	00.0	0.0	0.00	000	0.00	00.0	00.0	0.00	00.00	0.0	00.0	00.0	0.0	0.00	0.0 0.0	00.00	0.00	0.00	0.00		0.00		9.0	0.00	0.0
	PCE, ug		0.00	0.00	0.00	0.33	800	8	0.0	0.0	0.00	0.8	8.	0.0	0.00	0.00	0.00	0.0	0.00	0.00	8. 8.		0.33	6	9	0.0	0.00
	CHCI3, ug	0.01	0.00	0.22	0.18	0.00	0.08	0.0	0.08	0.07	0.14	0.00	0.0	0.0	0.00	0.28	00.00	00.00	00.0	0.00	0.0		0.26	0	3	0.8	0.00
		0.02	0.00	00.0	0.00	0.00	0.00	0.00	0.00	00.00	0.00	00.00	00.0	0.00	00.0	00.00	0.00	0.00	0.00	00:00	0.00		8	000	3	8.0	00.0
	11DCA, ug	0.01	0.00	00.00	0.00	00.0	00.00	00.0	0.0	0.00	0.0	00.0	00.0	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0		80	000	3	80	0.00
	t12DCE, ug	90.05	00.0	0.00	00.00	00.0	0.00	00.0	00.0	00.0	0.00	0.0	0.00	00.0	0.00	0.0	0.0	0.0	0.00	0.00	0.0		8.0	8	3	0.0	0.00
	124TMB, ug	0.02	00.00	0.00	00:00	0.00	00.0	0.00	00.0	0.0	0.0	0.0 0.0	0.00	0.00	0.00	8.0	0.0	0.05	0.0	0.0	0.00		0.05	8	3	0.0	0.00
	135TMB, ug	0.02	0.00	0.0	0.00	0.00	00.00	0.00	0.00	0.00	8	8	0.00	0.0	0.00	0.0	0.0	0.05	8. 0	0.00	8.0		0.05	8	3	0.0	0.0
	TMBs, ug	0.05	8.0	8.0	80	0.00	0.00	0.00	8	8.0	8	0.0	0 0	0.0	8.0	0.0	0 0 0	900	8	8	8		90.0	5	3	8	8
	2MeNAPH, ug	0.03	8.0	0.0	0.0	0.0	0.00	800	0.00	0.0	00.0	0.00	0.00	0.00	8.0	0.00	0.0	0.00	0.00	000	0.00		00.00	8	3	00.00	0.0
MODULE	NUMBER	MDL =	129518	129519	129520	129521	129522	129523	129524	129525	129526	129527	129528	129529	129530	129531	129533	129534	129535	129536	129537	7407777	MAX. DETECTE	TR1 - 120538	2000	162 - 129539	method blank

GORE SORBER SCREENING SURVEY ANALYTICAL RESULTS ABB ENVIRONMENTAL SERVICES, PORTLAND, ME GORE EXPANDED TARGET VOCs/SVOCs (A4) NATIONAL GUARD BASE, PUERTO RICO PRODUCTION ORDER #070694

£	Hydrocarbons, un	D.	1.48	0.95	1.04	1 44	100	2 40	251	0.97	0.87	17.19	20	1 20	06.0	0.81	2.70	37.78	8.05	2.40	1.07		37.78		4.52	1.82		0.00
Petroleum	_	┪ᠴ	. 0	0	0		2 2			0	0	0	0	0	0	0			0		0		0		_	0	_	C
	Pyrene, ud	0.24		0.00				000				0.00			0.00	0.0	00.0	0.00	000	000	0.00		0.00		0.0	0.00		000
	Fluoranthene, uq			0.00		00.0				0.00									000	0.00	0.00		00.0		00.0	0.00		00.0
	Fluorene, ug PHEN, ug Anthracene, ug	0.10								00.0		0.00		00.0		0.00	0.00	0.00	0.00	00.0	0.00		0.00		0.00	00.00		00.0
	PHEN, ug	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00	00.00		0.00
		L		00.0		0.00						00.00		0.00	00.0	0.00	0.00	0.00	0.00	00.00	00.00		0.00		0.00	00.00		0.00
	Acenaphthene, ug	0.04	0.02	00:00	00.0	00.0	0.00	00.00	00.0	00:00	00.0	0.00	0.00	00.0	0.00	0.00	0.00	00.0	00.0	0.00	00.00		0.02	c c	0.00	0.00		0.00
	Acenaphthylene, ug	0.05	00.00	00.0	00.0	00:0	00.0	0.00	00.0	00.0	00.0	0.00	0.00	0.00	00.0	00:0	00'0	00:00	0.00	00:0	00.0		0.00		0.00	0.00		00.00
	14DCB, ug	0.02	0.00	0.00	0.00	0.00	0.00	00.0	0.00	0.00	0.00	0.00	00.0	0.00	00.0	0.00	00.00	0.00	00.00	00.00	0.00	0	0.00		3	0.00		0.00
	CIBENZ, ug	0.05	0.00	0.00	0.00	00.00	00.00	00.0	00.00	0.00	0.00	0.00	0.00	00.00	0.00	0.00	00.00	00.00	0.00	00.00	0.00	0	0.00	0	3	0.00		0.00
	_	0.05	0.0	0.00	0.0	0.00	00.00	00.00	0.0	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.0	0.47	200	00	3	0.00		0.00
MODULE	NUMBER	MDL =	129518	129519	129520	129521	129522	129523	129524	129525	129526	129527	129528	129529	129530	129531	129533	129534	129535	129536	129537	MAX DETECTE	שושאי הושו	TR1 - 129538	200071	162 - 129539		method blank

Note: Phenanthrene, Anthracene, Fluoranthene, and Pyrene were quantitated using responses from Fluorene. 12/20/96

VNRPT.xls

GORE-SORBER® Screening Survey Chain of Custody

For W.L. Gore & Associa	ates use only
Production Order #	70694



W. L. Gore & Associates, Inc., Environmental Products Group

101 Lewisville Road • Elkton, Maryland 21921 • Tel: (410) 392-3300 • Fax (410) 996-3325

Instructions: Customer must complete <u>ALL</u> shaded cells									
Customer Name: ABB ENVIRCAINE	VTHL SE	えいにらく	Site Name: NATIONAL GUARD BASE						
Address: 110 FREE ST			Site Address:						
PORTLAND ME	84112-	7050	PLIERTO RICO						
(ROD PENDLETON)			Project Manager:	JUAN CAU					
Phone: 207 775 5400			Customer Project No.:						
FAX: 207 772 4762			Customer P.O. #: NE 646437 6 Quote #: BK 6846						
Serial # of Modules Shipped			# of Modules for Installation 20 # of Trip Blanks 2						
# 129518 through # 1	Total Modules Ship	ped: 22	Piec	es					
# through #		Total Modules Reco	eived: 22	Piec	es				
# through #			Total Modules Insta	alled: 20	Piec	es			
# through #			Serial # of Trip Bla	nks (Client Decides)	#				
# through #			#	#	·#				
# through #			#	#	#				
# through #			#	#	# -				
Installation Performed By:	Installation Method	(s) (circle those that	apply):						
Name (please print): Swort Donelick	Slide Hammer	Hammer Drill	Auger						
Company/Affiliation: ABB ES		Other: Geoprate	pash hole		· · · · · · · · · · · · · · · · · · ·				
Installation Start Date and Time: 11-16-96		1	/	1425:	AM/PM)			
Installation Complete Date and Time: 1/-	17-96	7	1	11:48	AM PM				
Retrieval Performed By: Name (please print): Soft Deviction	. <i>I</i> _		Total Modules Retrieved: 19 Pieces						
Times (Process Process)	<u> </u>		Total Modules Lost in Field: Pieces						
Company/Affiliation: ABB-ES			Total Unused Modules Returned: 2 Pieces						
Retrieval Start Date and Time:	12	13	1 96	7:54	AM PM				
Retrieval Complete Date and Time:	12	13	1 96	9:10	AM) PM				
			ending Completion o	f Lab Analysis []					
	r write "Non	ie", if ap	oplicable.	1 Amalinta #2.					
	nalyte #2:			Analyte #3:					
Other Instructions, if any:	T = T	m:				T:			
Relinquished By CA-ordien			Received By:		Date (x	Time			
Affiliation: W.L. Gore & Associates, Inc.	1 1 1	15:00		ABB-ES	11-76 K				
Relinquished By Herthandly	· I	Time	Received By:		Date	Time			
Affiliation: ABB ES		/600	Affiliation:	~~		Time			
Relinquished By	Date	Time	Received By: () tondrin	Date 12/4/96	Time			
Affiliation				Fore & Associates, In					
	Tempe	erature	of Samples When	6.2	°C				

WTC 3

		R® Screening		SITE NAME & LOCATION						
Insta	illation and	Retrieval Log	.	FORT ALLEN PLERTO RICO						
Dage	1 -6: 1	****								
Page	of		_						e en 10 April 10	
LINE #	MODULE #	INSTALLATION DATE/TIME	RETRIEVAL DATE/TIME	HYDR HYDI (Chi	DENCE OF ROCARBO or ROCARBO eck as appr	NS (LPH) N ODOR opriate)	WA (chec	ULE IN ATER ck one)	COMMENTS	
				LPH	ODOR	NONE	YES	NO		
<u>l.</u>	T	11-16 46 / 1425	12-3-16/0858		ļ			1	5V-M9-01 10pg	
2.	1	1146-46/1434	10901					<u> </u>	SV-M9-02/0p	
3.	1	11-16-96/1437	/ 0903			<u> </u>	ļ	1	5V-M9-03 (000)	
4.	1	1176-76/ 1436	10907			<u>v</u>		<u> </u>	5:-M4-04/08/09	
5.		11-16-96/ 1585	/0910		ļ	<u> </u>	ļ		54-M4-05(000	
6.	7	11-16-91/1515	10910			ن		1	51-M9-DE/02/	
7.	124524	11/11/96 / 0941	10810			/		1	Sid-Uns. C1 (0) pp.	
8.	129525	1177-16/0922	10808		<u> </u>	V	<u> </u>	1	שושל בנד עש- וצ	
9.	129526	11-16/0931	10807			V		"	SV-WW-03 (CODA	
10.	129527	4-1746/1002	10830					_	SU-R-01 10 ppn	
11.	1295281	11-17-46/1055	1083i		<u> </u>	V		V	SV-K-UZ (BPPM	
12.	129529	11-17-4/1047	16833			V		1/2	SUR-CS (Eppm	
13.	129530-	4-17-96/1040	1083			~		V	5PC-CY (#PP-	
14.		1H7-16/0752	/ 0836			レ		V	5:10-05 (10 pg	
15. NH	1295324	1-17-6/131	NOT LOCATED			<u> </u>		V	5 4- PH-01 /8 MA	
16.	129533	11-17-6/1136	/0843		<u> </u>	V		V	SV-PH-UZ 10-0px	
17.	129534	11-1746/1142	10824			~		سا	5:-PH-03 (60M	
18.	129535V	11-17-96/1148	/ 0825			V		V	SPH-04 (\$10M	
19.	124536	11-17-76/1118	10754			V	/	em	51-08-01 1000	
20.	1245374	11-17-96/1107	V /0756			V	<u></u>	بمنك	5:-08-02 (BAD)	
21.		<u>'</u>								
22.										
23.								ļ		
24.								ļ		
25.										
26.										
27.										
28.										
29.								<u></u>		
30.								<u> </u>		
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40.										
41.										
42.										

MONITORING WELL COMPLETION DIAGRAMS

ABB Environmental Services, Inc.

W001976APP

Project No. <u>09890, 03</u> Boring No.	MW-03-01 Driller Soil Tech MW-03-01 Drilling Method HSA 11 11 15 96 Development Method B-K pump Hand pump suece
Ground Elevation	Stick-up of Casing Above Ground Surface: 4 fe. Type of Surface Seal/Other Protection: Grout Steel Past Type of Surface Casing: 4-inch steel ID of Surface Casing: 4-inch Diameter of Borehole: 10 /4 " Riser Pipe ID: 2 " Type of Riser Pipe: Sch. 40 PVC Type of Backfill: Cement - Bentonite Grout Depth of Top of Seal: 15 Type of Seal: Bentonite Pellets
	Depth of Top of Sand:

MONITORING WELL CONSTRUCTION DIAGRAM Project Fort Allen SI AOC-3 Study Area Driller Boring No. <u>M</u>W-03-02 Project No. 09890, 03 **Drilling Method** Date Installed 11 / 16 / 96 Development Method _ M. ALONSO Field Geologist _ Stick-up of Casing Above Ground Surface: ____ Type of Surface Seal/Other Protection: Grout / Stee | Past Ground **Elevation** Type of Surface Casing: 4- inch 57ec/ ID of Surface Casing: 4 · inch Diameter of Borehole: _______10 1/4 Riser Pipe ID: _____ Type of Riser Pipe: Sch. 40 PVC Type of Backfill: Cement - Bentonite Grout Type of Seal: Bentonite Pellets Depth of Top of Screen: Zo Type of Screen: Sch. 40 PUC Slot Size x Length: 0.010 ID of Screen: ____ Type of Sandpack: _ # Z W. G. Morie SANd Depth of Bottom of Screen: 35 Depth of Sediment Sump with Plug: Depth of Bottom of Borehole: 37

ABB Environmental Services, Inc. -

ABB Environmental Services, Inc. —

Date Installed	AOC-9 Driller Soil Tech 1W-09-01 Drilling Method HSA 11/17/96 Development Method B-K pump Hand pump/suca.
Ground Elevation	Stick-up of Casing Above Ground Surface: 4 fe. Type of Surface Seal/Other Protection: Grout / Steel Port Type of Surface Casing: 4-inch Steel ID of Surface Casing: 4-inch Diameter of Borehole: 10 1/4 11 Riser Pipe ID: 2 11 Type of Riser Pipe: Sch. 40 PUC Type of Backfill: Cement - Bentonik Grout Depth of Top of Seal: 2 Type of Seal: Bentonik Pellets Depth of Top of Sand: 5 1 Depth of Top of Screen: 10 1 Type of Screen: Sch. 40 PUC Slot Size x Length: 0,010 11 x 15 1 ID of Screen: 2 11 Type of Sandpack: 4 2 W. G. Moric Sand Depth of Bottom of Screen: 25 1 Depth of Sediment Sump with Plug: 0 Depth of Bottom of Borehole: 27 1

ABB Environmental Services, Inc. -

WELL DEVELOPMENT RECORDS

ABB Environmental Services, Inc.

W001976APP 9890-05

WELL DEVELOPMENT RECORD								
Project: Fort Aller	y SI	Well Installation Da	ate: //	115/96		Project No. 09890, 03		
Client: US AEC		Well Development	Date:	/20/96	Logged by: H. Alonso	Checked by:		
Well/Site I.D.: MW-03-	.01	Weather: Hot	humit	Clears	Start Date: ///20/96	Finish Date:		
Well Construction Record Da Bottom of Screen		Well	Diameter	Z in.	Start Time:	Finish Time:		
Sediment Sump/Plug	-	om Ground Surface	□ From	Top of Riser		1550		
Screen Length	/5 ft.	Fluids Lost durinno	g Drilling	O gal.				
Protective Casing Stick-up	4 ft. Protecti	ve Casing/Well Diff.	O) ft. PID Read	dings: Ambient A	O.O ppm		
Well Levels:	Sedin	nent:	<u> </u>					
Initial	30,30 _{t.} We	II Depth before Deve	elopment	44.20 _{ft.}	(from top of PVC)		
End of Development	3015 tt. We	ll Depth after Develo	opment	43,90t.				
24 Hours after Development	ft. Sec	diment Depth Remo	ved	N/A .ft.				
HT of Water Column	/3.9 ft. × = 1	.39*		. /9,32 gal./vol.	*for 2" HSA In:	stalled Wells		
☐ Dedicated Submersible ☐ Surge Block ☐ Bailer ☐ 2" ☐ ☐ Grundfos Pump 2"	Total	oximate Recharge R	age	<i>V</i> /4 gpm ≥ / I Ø gal.				
Notes: All parameter for the Well was derived	Well Development Criteria Met: Notes: All parameters measured stability which is well water clear to unaided eye Sediment thickness remaining in well is <1.0% of screen length Well was developed with a pump Surger West No Yes No Well water clear to unaided eye Total water removed = a minimum of 5x calculated well volume plus 5x drilling fluid lost							
Water Parameter Measureme	ents				· · · · · · · · · · · · · · · · · · ·			
Record at start, twice during at Time	7.18 7.12 7.07 7.01	Temp. Condu 7.7.6 C 0.4 28.2 C 0.4 27.0 C 0.5 27.1 C 0.5	ctivity 5 94 577 580 575	Turbidity F 774 744 999 999 999	Estimated Pumping Rate 3 gpm. 3 gpm. 3 gpm. 3 gpm. 3 gpm. 3 gpm.	Estimated Recharge Rate .		
Well Developer's Signature Monte ABB Environmental Services Inc.								

WELL DEVELOPMENT RECORD									
Project: Fort Allen	SI	Well Installation Date:	11/16/96		Project No. 0A890, 03				
Client: V.S. AEC		Well Development Date:	adec	Logged by: M. Alonso	Checked by:				
Well/Site I.D.: MW- 03-	02	Weather:		Start Date: /1/20/96	Finish Date: 11/21/96				
Well Construction Record Data	:	Well Diameter	Z in.	Start Time:	Finish Time:				
Bottom of Screen	36 th 7 -			18 30	14:00				
Sediment Sump/Plug	- F-	rom Ground Surface 🗅 Fro	m Top of Riser 🖫	יון און זאך וי					
Screen Length	15 ft.	Fluids Lost durinng Drilling	N/A gal.						
Protective Casing Stick-up	4 ft. Protecti	ve Casing/Well Diff.) ft. PID Read	dings: Ambient A	Air 0,0 ppm				
				Well Mout	h O.O ppm				
Well Levels: Sediment:									
Initial 11/21/96 26.8 30,20 ft. Well Depth before Development 39.0 ft. (from top of PVC)									
End of Development	39,80 ft. We	ell Depth after Development	39,80 m.						
24 Hours after Development	IV IA IL	diment Depth Removed	0.80 ft.						
HT of Water Column	8,8 n. × 1	.39*	/2,23 gal./vol.	"for 2" HSA Ins	stalled Wells				
Equipment: Dedicated Submersible Pur Surge Block Bailer 12 2 D Grundfos Pump 2	mp Appro	eximate Recharge Rage Gallons Removed	µ (▲ gpm ∠ Z gal.	•					
Well Development Criteria Met:	silts & clay				Yes No				
Well Development Criteria Met: 51/15 & Clay Notes: Well has naudhiuside, reading for thepth to metro and total hull digith is quantimente. We will developed a stainless steel Dailer. Untill dry. End of Well Development Sample (1 pint) Collected?									
Water Parameter Measurement	8								
Time Total Gallons Na Na	·	ent (minimum): Temp. Conductivity MA NA	Turbidity P	Estimated rumping Rate F	Estimated Recharge Rate				
The VIC person bailer. The bailer bailer. Well Developer's Signature	was use Mount Along	for 12 there of Water	moran wind the manufer	ify Spiro ull mor d rs nure n	bay stack				
			ABB Enviro	onmental Servi	ces, Inc.				

Page. Zof Z

	WELL C	DEVELOPMENT RE	CORD		
Project: Fort Alle	in SI	Well Installation Date:	16/96		Project No. 09890, 03
Client: U.S. A.E.C.		Well Development Date:		Logged by: M. Almyo	Checked by:
Well/Site I.D.: MW - 03	3-02	Weather: Choudy hot	humid.	Start Date: 1/29	Finish Date:
Well Construction Record Da	ıta:	Well Diamete	/	Start Time:	Finish Time:
Bottom of Screen	36 # -		in.	1330	14:00
Sediment Sump/Plug	55 ft. F	rom Ground Surface 🗅 Fro	m Top of Riser 🖭		0750
Screen Length	15 ft.	Fluids Lost durinng Drilling	N/ gal.		
Protective Casing Stick-up	4 ft. Protect	ive Casing/Well Diff.) ft. PID Rea	dings: Ambient A Well Mout	O,O ppm
Well Levels:	Sedir	ment:			
Initial	26,80ft. We	ell Depth before Development	39,0 ft.	(from top of PVC	;)
End of Development	39,80ft. We	ell Depth after Development	39,8 ft.		
24 Hours after Development	7- po II.	diment Depth Removed	0,80 ft.		
HT of Water Column	/2.7 ft. × □	= .	16, % gal./vol.	*for 2" HSA Ins	talled Wells
Dedicated Submersible F Surge Block Bailer 2" Grundfos Pump 2" Well Development Criteria Me Notes: The well de Recharge was n	Total	12 bailers 14 gpm	Well water clear to Sediment thicknes well is <1.0% of so Total water remove of 5x calculated w	o unaided eye ss remaining in creen length ed = a minimum	Yes No
End of Well Development Sar	mple (1 pint) Collected?		5x drilling fluid lost		
Water Parameter Measureme	nts				
Record at start, twice during an Time Total Gallon NA NA		ent (minimum): Femp. Conductivity U/A	Turbidity P	Estimated umping Rate R	Estimated Recharge Rate
Water paramet had lacce amou	ers were not ents of silts &	obtained since clay	the ma	tr recove	reol
Well Developer's Signature	1 aug H	100120	ADD Fault-	anmental Servi	200 120

WELL DEVELOPMENT RECORD									
Project: Fort Allen	SI	Well Installation Date:	11/14/96		Project No. 09890, 03				
Client: US A EC		Well Development Dat	e: 11/20/96	Logged by: M. Alenso	Checked by:				
Well/Site I.D.: MW - 08- 0	1	Weather: Cloudy hot	humid	Start Date: 11/20/96	Finish Date:				
Well Construction Record Data:		Well Dia	meter	Start Time:	Finish Time:				
Bottom of Screen	30 n -		Z in.	1030	1127				
Sediment Sump/Plug	N/A ft. Plug	om Ground Surface	From Top of Riser @						
Screen Length	15 n.	Fluids Lost durinng Dri	iling P/4 gal.						
Protective Casing Stick-up	4 ft. Protectiv	ve Casing/Well Diff.	O ft. PID Rea	dings: Ambient A	Air <i>0.0</i> ppm				
				Well Mout	th 0.0 ppm				
Well Levels:	Sedin	· · · · · · · · · · · · · · · · · · ·							
		i Depth before Develop	ment 34,17 ft.	(from top of PVC	C)				
End of Development	20,24 ft. Wel	l Depth after Developme	34.70 _{ft.}						
24 Hours after Development	24 Hours after Development ft. Sediment Depth Removed 0,03 ft.								
HT of Water Column	13.77 ft. × 1.1	39°	- 19, Mai/voi.	*for 2* HSA in:	stalled Wells				
Equipment: Dedicated Submersible Pump Approximate Recharge Rage Surge Block VK Pump Total Gallons Removed 103 gal. Bailer 2" 4" Well Development Criteria Met: BK pump Succe Well water clear to unaided eye Well water clear to unaided eye Sediment thickness remaining in well is <1.0% of screen length Total water removed = a minimum of 5x calculated well volume plus 5x drilling fluid lost									
End of Well Development Sample		Yes No							
Water Parameter Measurements Record at start, twice during and at Time Total Gallons _/050 _25 _/056 _20 (45) _/103 _19 (64) _/109 _/8 (32) _//116 _21 (603)	t the end of developme pH T 7.08 Z 7,19 Z 7,26 Z 7,71 Z	nt (minimum): emp. Conductivit 7.3\$ 0.659 7.1\$ 0.654 6.9\$ 0.65 7.0\$ 0.65	999 1 999 3 999 4 766	Estimated Pumping Rate F 3 g pm 4 g p	Estimated Recharge Rate				
Well Developer's Signature	Maugel Hor	<u> </u>	ARP Envis	onmental Servi	ces inc				

WELL DEVELOPMENT RECORD									
Project: USAEC / Fo.	et Allen SI	Well Insta	llation Date:	11/17/96		Project No. 09890, 03			
Client: USAEC		Well Deve	elopment Date:	120/96	Logged by: M. Alonso	Checked by:			
Well/Site I.D.: MW-09	-01	Weather:	-loudy , hot ,		Start Date: 11/20/96	Finish Date:			
Well Construction Record Da	ata:		Well Diameter	Z in.	Start Time: 0739	Finish Time: 0856			
Bottom of Screen Sediment Sump/Plug	25 ft	rom Ground	Surface 🗹 Fron	L		0000			
,		lug 24"		,	1				
Screen Length 15 ft. Fluids Lost durinng Drilling \(\nu/\beta\) gal.									
Protective Casing Stick-up	Protective Casing Stick-up 4 ft. Protective Casing/Well Diff. ft. PID Readings: Ambient Air O.O ppm Well Mouth								
					AAGII IAIOI	0,0 ppm			
Well Levels:		ment:			1				
Initial	/6,90 _{ft.}	ell Depth bef	ore Development	30,42 ft.	(from top of PV	(C)			
End of Development	17.10 ft. We	ell Depth afte	er Development	30.10 _{ft.}					
24 Hours after Development	/* (/3 L.)	diment Dept	th Removed	0,32 ft.					
HT of Water Column	13,52ft. × a	1.39*	=	/8.79 gal./vol	*for 2* HSA li	nstalled Wells			
Equipment: Dedicated Submersible Surge Block Bailer D2" D Grundfos Pump 2" Well Development Criteria M Notes: The turbidity for the lost sample	Total	oximate Reconstructions Reloading	moved	gpm	1	Yes No,			
Notes: The turbidity	1 the meter is h	ligh ex	e v	Vell water clear	to unaided eye				
for the lost sample	(89 NUTU)	<i>J</i>	= S	Sediment thickne vell is <1.0% of	ess remaining in screen length	a o			
		Yes, No	_		ved = a minimun well volume plus st	' d o			
End of Well Development Sa	imple (1 pint) Collected?	B 0							
Water Parameter Measureme		(ii	1.						
Record at start, twice during an Time Total Gallor	ns pH	Temp.	Conductivity	Turbidity	Estimated Pumping Rate	Estimated Recharge Rate			
0806 23		28,18 28,0%	0,801	999	3 gpm.				
		28, D°C	0,785	<u>999</u> 999	301000				
	····.	27,8%	0,80/	999	3,000				
		28,3%	0.781	89	3 gpm.				
		<u> </u>							
Well Developer's Signature	MountHomp		_						
				ABB Envi	ronmental Serv	vices. Inc. ——			



GROUNDWATER SAMPLING DATA RECORDS

ABB Environmental Services, Inc.

W001976APP

ABB ENVIRONMENTAL SERVICES, INC.						
FIELD DATA RECORD - GROUNDWATER SAMPLING						
PROJECT FORT ALLEN, PR			JOB NUMBER 9890-03			DATE 12-4-96
WELLID MW-03-	ACTIVITY BOTTLE					
TIME START 080'7 END /022 TIME 1030						
QC SAMPLES DUPLICATE ID						
COLLECTED MS ID						
MSD ID						
WATER LEVEL / WELL DATA PROTECTIVE PROTECTIVE CASING / WELL CASING / WE						
WELL DEPTH 43.90 FT (TOR) WELL DEPTH FT (TOR) (FROM GROUND) 3,05 FT DIFFERENCE 0.06 FT						
DEPTH TO WATER 30.12 FT (TOR) SCREEN 15 FT WELL 2 IN MATERIAL PVC						
HEIGHT OF SAL/FT (2 IN)						
WATER COLUMN 13.78 FT x 0.65 GAL/FT (4 IN) = 19.15 GAL/VOL TOTAL VOLUME PURGED 95.77 GAL 1.5 GAL/FT (6 IN)						
AMBIENT AIR PPM WELL MOUTH PPM						
PURGE DATA						
PURGE VOLUME (gallons)	19	38	57	76	95	SAMPLE OBSERVATIONS:
TEMPERATURE (degreesC)	23	23	23	23	22.5	X CLEAR
pH (units)	6.25	6.2Z	6.28	6.26	6.25	COLORED
TURBIDITY (ntu)	2.08	0.44	0.24	0.20	0.66	CLOUDY
SPEC. COND. (uhmos/cm)	505	507	513	523	522	TURBID
DISSOLVED OXYGEN (mg/L)						ODOR
REDOX POTENTIAL						OTHER (See Holes)
PURGING SAMPLING DECON FLUIDS USED PERISTALTIC PUMP SUBMERSIBLE PUMP BLADDER PUMP BLADDER PUMP PVC/SILICON TUBING TEFLON/SILICON TUBING IN LINE FILTER PRESSVAC FILTER TEFLON/BAILEY TEFLON/BAILEY NUMBER OF FILTERS USED WATER LEVEL EQUIPMENT USED WATER LEVEL EQUIPMENT USED ELECTRIC COND. PROBE FLOAT ACTIVATED KECK INTERFACE PROBE NUMBER OF FILTERS USED NUMBER OF FILTERS USED						
ANALYTICAL PARAMETERS METHOD PRESERVATION VOLUME SAMPLE SAMPLE BOTTLE						
METHOD NUMBER FILTERED METHOD REQUIRED COLLECTED ID NUMBERS VOCs VMS1-WA HCL pH<2 (3) 40 ml						
NOTES						
SIGNATURE: Sert Dnelich						
RECEIVED BY:						
W96100150(s) ABB Environmental Services, Inc.						

	ABB ENVIRONMENTAL SERVICES, INC.					
FIELD DATA RECORD - GROUNDWATER SAMPLING						
PROJECT FORT ALLEN, PR JOB NUMBER 9890-03 DATE 12-4-96						
	WELLID MUI-03-02 ACTIVITY BOTTLE					
4/0.200	1:5 A V		TIME START ()720 EN	6727	TIME 0906
SAMPLE ISIS ID MO307				 1		
COLLECTED DU	PLICATE ID					
	MSD ID					
WATER LEVEL / WELL DATA			PROTE	CTIME	PRO	DTECTIVE
MEASURED 40.56FT (TO	HISTORICA OR) WELL DEP		CASIN	GROUND) 3.	OI FT DIF	FERENCE -0.04 FT
DERTH TO	- SCREEN	15 FI	WELL	_ 7	WE	TERM PVC
WATER 26.84 FT (T)		15 FT AUFT (2 IN) _	DIAME		<u>IN</u> MA'	
HEIGHT OF WATER COLUMN /3.72		AUFT (2 IN) AUFT (4 IN) =	19.07	GALNOL	TOTAL VOLUM	EPURGED 95,35 GAL
15.72		LIFT (6 IN)				
			AMBIE	NT AIR	PPM WE	LL MOUTH PPM
PURGE DATA						•
PURGE VOLUME (gallons)	o (initial)	· 3	3.5			SAMPLE OBSERVATIONS:
TEMPERATURE (degreesC)	23	2.3	23			CLEAR
pH (units)	6.21	6.24	6.26			COLORED
TURBIDITY (ntu)	cut of rance					X TURBIO Silty
SPEC. COND. (uhmos/orn)	593	583	588			ODOR
DISSOLVED OXYGEN (mg/L)						
REDOX POTENTIAL OTHER (see notes)						
REDOX POTENTIAL						
EQUIPMENT DOCUMENTATION						
EQUIPMENT DOCUMENTATION PURGING SAMPLING	TIC PUMP .	DECON FLUIDS U	SED	w _A	TER LEVEL EQUIPI	MENT USED NO. PROBE
EQUIPMENT DOCUMENTATION PURGING SAMPLING PERISTAL' SUBMERS	BLE PUMP	DECON FLUIDS U	SED L	WA E	TER LEVEL EQUIPM BLECTRIC COM FLOAT ACTIVA KECK INTERFA	MENT USED NO. PROBE TED
EQUIPMENT DOCUMENTATION PURGING SAMPLING PERISTAL SUBMERS BLADDER PVC/SILIC	BLE PUMP PUMP ON TUBING	DECON FLUIDS U METHANO LIQUINOX POTABLE: DEIONIZE	SED L WATER	WA	FLOAT ACTIVA	MENT USED NO. PROBE TED
EQUIPMENT DOCUMENTATION PURGING SAMPLING PERISTAL* SUBMERS BLADDER PVC/SILLO TEFLONS WATTERA	BLE PUMP PUMP ON TUBING LICON TUBING	DECON FLUIDS U METHANO LIQUINOX POTABLE	SED L WATER D WATER		ELECTRIC CON FLOAT ACTIVA KECK INTERFA	MENT USED ID. PROBE TED ICE PROBE
EQUIPMENT DOCUMENTATION PURGING SAMPLING PERISTAL SUBMERS BLADDER PVC/SIONS TEFLOR WATTERA	BLE PUMP PUMP ON TUBING LICON TUBING	DECON FLUIDS UMETHANO LIQUINOX POTABLE DEIONIZE HEXANE	SED L WATER D WATER		FLOAT ACTIVA	MENT USED ID. PROBE TED ICE PROBE
EQUIPMENT DOCUMENTATION PURGING SAMPLING PERISTAL SUBMERS BLADDER PVC/SILIC TEFLON/S WATTERA IN LINE FIL PRESS/VA ICF ID/	BLE PUMP PUMP ON TUBING LICON TUBING	DECON FLUIDS UMETHANO LIQUINOX POTABLE DEIONIZE HEXANE	SED L WATER D WATER		ELECTRIC CON FLOAT ACTIVA KECK INTERFA	MENT USED ID. PROBE TED ICE PROBE
EQUIPMENT DOCUMENTATION PURGING SAMPLING PERISTAL SUBMERS BLADDER PVC/SIONS TEFLOR WATTERA	BLE PUMP PUMP ON TUBING LICON TUBING TER C FILTER AD TEY	DECON FLUIDS U METHANO LIQUINOX POTABLE DEONIZE HEXANE NITRIC AC	SED L WATER D WATER	NUI	ELECTRIC CON FLOAT ACTIVA KECK INTERFA MBER OF FILTERS	MENT USED 10. PROBE TED 10.E PROBE 10.E PROBE 10.E PROBE 10.E SAMPLE BOTTLE
EQUIPMENT DOCUMENTATION PURGING SAMPLING PERISTAL SUBMERS BLADDER PVC/SILIC TEFLON/S WATTERA IN LINE FIL PRESS/VA ICF ID/	BLE PUMP PUMP ON TUBING LICON TUBING TER C FILTER BAJIEY	DECON FLUIDS U METHANO LIQUINOX POTABLE DEIONIZE HEXANE NITRIC AC	SED L WATER D WATER SID PRESIERY SETED METH HCL p	NUI	ELECTRIC CON FLOAT ACTIVA KECK INTERFA MBER OF FILTERS ME SAMP RED COLLEC ml	MENT USED 10. PROBE TED 10.E PROBE 10.E PROBE 10.E PROBE 10.E SAMPLE BOTTLE
BQUIPMENT DOCUMENTATION PURGING SAMPLING PERISTAL SUBMERS BLADDER PVC/SILIC TEFLON/S WATTERA IN LINE FIL PRESS/VA TCF IC/ ANALYTICAL PARAMETERS	BLE PUMP PUMP ON TUBING LICON TUBING TER C FILTER ALIEY M VV SI	DECON FLUIDS U METHANO LIQUINOX POTABLE: DECONIZE HEXANE NITRIC AC	SED L WATER D WATER SID PRESERVE MELL HCL P	ATION VOLUM 00 BEOM H-2 (3) 40 : (2) 1L	ELECTRIC CON FLOAT ACTIVA KECK INTERFA MISER OF FILTERS MIE SAMPI RED COLLEC ml AG	MENT USED 10. PROBE TED 10.E PROBE 10.E PROBE 10.E PROBE 10.E SAMPLE BOTTLE
BQUIPMENT DOCUMENTATION PURGING SAMPLING PERISTAL SUBMERS BLADDER PVC/SILICO TEFLON/S WATTERA IN LINE FIL PRESS/VA TCF ICO	BLE PUMP PUMP ON TUBING LICON TUBING TER C FILTER BAJIEY MI SN SN	DECON FLUIDS UMETHANO LIQUINOX POTABLE DEIONIZE HEXANE NITRIC AC	SED L WATER D WATER SID PRESIERY SETED METH HCL p	ATION VOLUMOD REQUIREMENT (3) 40: (2) 1L. H-2 (3) 40	BLECTRIC CON FLOAT ACTIVA KECK INTERFA MBER OF FILTERS ME SAMPI RED COLLEC mi AG Poly mi	MENT USED 10. PROBE TED 10.E PROBE 10.E PROBE 10.E PROBE 10.E SAMPLE BOTTLE
BQUIPMENT DOCUMENTATION PURGING SAMPLING PERISTAL' SUBMERS BLADDER PYC/SILIC TEFLON/S WATTERA IN LINE FIL PRESS/VA ICF IC/ ANALYTICAL PARAMETERS VOCS SVOCS Inorganics	BLE PUMP PUMP ON TUBING LICON TUBING TER C FILTER Bas ley MI SI SI SI USE	DECON FLUIDS U METHANO LIQUINOX POTABLE: DECONIZE HEXANE NITRIC AC	SED L WATER D WATER TO WATER TO PRESERVE HCL P 470 HN03 p	ATION VOLUM OD REGULA H-2 (3) 40 H-2 (1) 1L I H-2 (3) 40	BLECTRIC CON FLOAT ACTIVA KECK INTERFA MBER OF FILTERS ME SAMPI RED COLLEC mi AG Poly mi	MENT USED 10. PROBE TED 10.E PROBE 10.E PROBE 10.E PROBE 10.E SAMPLE BOTTLE
EQUIPMENT DOCUMENTATION PURGING SAMPLING PERISTAL' SUBMERS BLADDER PYC/SILIC TEFLON/S WATTERA IN LINE FIL PRESS/VA ICF ICY ANALYTICAL PARAMETERS VOCS SVOCS Inorganios TPH-GRO	BLE PUMP PUMP ON TUBING LICON TUBING TER C FILTER Bas ley MI SI SI SI USE	DECON FLUIDS U METHANO LIQUINOX POTABLE: DEJONIZE HEXANE NITRIC AC ETHOD JMBER IS1-WA IV1-WA e below PA 8015A	SED L WATER D WATER SID PRESERV HCL p 4°C HN03 p HCL p	ATION VOLUMOD REQUIREMENT (3) 40: (2) 1L. H-2 (3) 40	BLECTRIC CON FLOAT ACTIVA KECK INTERFA MBER OF FILTERS ME SAMPI RED COLLEC mi AG Poly mi	MENT USED 10. PROBE TED 10.E PROBE 10.E PROBE 10.E PROBE 10.E SAMPLE BOTTLE
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BQUIPMENT DOCUMENTATION PURGING SAMPLING PERISTAL' SUBMERS BLADDER PYC/SILIC TEFLON/S WATTERA IN LINE FIL PRESS/VA ICFID/ ANALYTICAL PARAMETERS VOCS SVOCS Inorganics TPH-GRO TPH-DRO Inorganics: ICM1-WA, ICP1-WA	BLE PUMP PUMP ON TUBING LICON TUBING TER C FILTER BASIEY MI SSI USE USE USE	DECON FLUIDS U METHANO LIQUINOX POTABLE: DECONIZE HEXANE NITRIC AC ETHOD JAMBER FILT IS1-WA N1-WA e below PA 8015A PA 8015A	SED L WATER D WATER TO WATER T	ATION VOLUMENT OF REGULATION (2) 1L. (1) 1L	BLECTRIC CON FLOAT ACTIVA KECK INTERFA MBER OF FILTERS ME SAMPI RED COLLEC mi AG Poly mi AG AG AG	MENT USED 10. PROBE TED CE PROBE USED LE SAMPLE BOTTLE TED ID NUMBERS
BOULDMENT DOCUMENTATION PURGING SAMPLING PERISTAL' SUBMERS BLADDER PYC/SILICE TEFLON/S WATTERA IN LINE FIRE PRESS/A PRESS/A ANALYTICAL PARAMETERS VOCS SVOCS Inorganios TPH-GRO TPH-DRO Inorganios: ICM1-WA, ICP1-WA	BLE PUMP PUMP ON TUBING LICON TUBING LICON TUBING TER CFILTER BAJIEY MI SI SI USE USE USE	DECON FLUIDS UMETHANO LIQUINOX POTABLE DECONIZE HEXANE NITRIC ACMITTRIC ACMI	SED L WATER D WATER TO WATER T	ATION VOLUMENT OF REGULATION (2) 1L. (1) 1L	BLECTRIC CON FLOAT ACTIVA KECK INTERFA MBER OF FILTERS ME SAMPI RED COLLEC mi AG Poly mi AG AG AG	MENT USED 10. PROBE TED 10.E PROBE 10.E PROBE 10.E PROBE 10.E SAMPLE BOTTLE
BOULDMENT DOCUMENTATION PURGING SAMPLING PERISTAL' SUBMERS BLADDER PYC/SILICE TEFLON/S WATTERA IN LINE FIRE PRESS/A PRESS/A ANALYTICAL PARAMETERS VOCS SVOCS Inorganios TPH-GRO TPH-DRO Inorganios: ICM1-WA, ICP1-WA	BLE PUMP PUMP ON TUBING LICON TUBING LICON TUBING TER CFILTER BAJIEY MI SI SI USE USE USE	DECON FLUIDS UMETHANO LIQUINOX POTABLE DECONIZE HEXANE NITRIC ACMITTRIC ACMI	SED L WATER D WATER TO WATER T	ATION VOLUMENT OF REGULATION (2) 1L. (1) 1L	BLECTRIC CON FLOAT ACTIVA KECK INTERFA MBER OF FILTERS ME SAMPI RED COLLEC mi AG Poly mi AG AG AG	MENT USED 10. PROBE TED CE PROBE USED LE SAMPLE BOTTLE TED ID NUMBERS
BQUIPMENT DOCUMENTATION PURGING SAMPLING PERISTAL' SUBMERS BLADDER PYC/SILIC TEFLON/S WATTERA IN LINE FIL PRESS/VA ICFID/ ANALYTICAL PARAMETERS VOCS SVOCS Inorganics TPH-GRO TPH-DRO Inorganics: ICM1-WA, ICP1-WA	BLE PUMP PUMP ON TUBING LICON TUBING LICON TUBING TER CFILTER BAJIEY MI SI SI USE USE USE	DECON FLUIDS UMETHANO LIQUINOX POTABLE DECONIZE HEXANE NITRIC ACMITTRIC ACMI	SED L WATER D WATER TO WATER T	ATION VOLUMENT OF REGULATION (2) 1L. (1) 1L	BLECTRIC CON FLOAT ACTIVA KECK INTERFA MBER OF FILTERS ME SAMPI RED COLLEC mi AG Poly mi AG AG AG	MENT USED 10. PROBE TED CE PROBE USED LE SAMPLE BOTTLE TED ID NUMBERS
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PHONE NO. : 7878418927

P.2 Dec. **27 1996 02:46PM P2**

BENIGNO RODRIGUEZ BURGOS & ASOCIADOS

AGRIMENSORES · INGENIEROS - CONSULTORES
CARR. 14 KM. 7.6 (FRENTE AL CEMENTERIO LAS MERCEDES) COTO LAUREL, PONCE, PR

B R B

APARTADO 10425 PONCE, P.R. 00732-0425 TEL (787) 641-8927 FAX: (787) 842-9284 Beoper 1-800-981-6693 Unided 2910

December 27, 1996

ABB Environmental Services F.O. Box 7050 DTS 110 Free Street Portland, Maine 04112-7050

Att. Mr. George Howitt

Subject: Quotation PD 96-115 Elevation Survey

Ft. Allen, J.Diar, PR

Dear Sir:

Enclosed will find copy of the field book, elevation data, closing data and diagram of monitoring wells.

- 1. Diagram "Monitoring Well" (MW-08-01)
 - A. Elevation in ground corner (N-E)(9.890 mts.)
 - B. Elevation of iron tube (10.990 mts.)
 - C. Elevation of PVC tube (North side) (10.994 mts.)
- 2. Diagram "Monitoring Well" (MW-09-01)
 - A. Elevation in ground corner (N-W)(8.878 mts.)
 - B. Elevation of iron tube (9.959 mts.)
 - C. Elevation FVC tube (North side)(9.957 mts.)
- 3, Diagram "Monitoring Well" (MW-03-02)
 - A. Elevation in ground corner (N-E)(14.487 mts.)
 - B. Elevation of iron tube (15.397 mts.)
 - C. Elevation PVC tube (North side) (15.405 mts.)
- 4. Diagram "Monitoring Well" (MW-03-01)
 - A. Elevation in ground corner (S-E)(16.050 mts.)
 - B. Elevation of iron tube (16.991 mts.)
 - C. Elevation PVC tube (North side)(17.013 mts.)

Sincerely;

Benigno Rodrigues Burgos Land Surveyor - Lognes

Tel. (787) 841-8927

SURVEY DATA

ABB Environmental Services, Inc.

W001976APP

TABLE G-1 GPS SURVEY DATA

FORT ALLEN PHASE I SITE INSPECTION JUANA DIAZ, PUERTO RICO

	UTM COORDINATES ¹		
SITE ID	EASTING	NORTHING	COMMENTS ²
AOC 3			
MW-03-01	763515.747	1993850.273	
MW-03-01 MW-03-02	763425.039	1993703.732	
GP-03-01	763493.000	1993860.000	Coordinates are estimated.
GP-03-01 GP-03-02	763511.000	1993859.000	Coordinates are estimated. Coordinates are estimated.
GP-03-03	763524.765	1993860,301	Coordinates are estimated.
GP-03-04	763539.812	1993858.181	
GP-03-05	763552.698	1993859.105	
GP-03-06	763453.903	1993702.870	
GP-03-07	763440.000	1993702.870	
GP-03-08	763423.380	1993700.141	
GP-03-09	763413.139	1993707.440	
GP-03-10	763402.664	1993707.003	
GF-03-10	703402.004	1993/10.28/	
AOC 8			
SB-08-01	763772.828	1993172.796	
SB-08-02	763742.447	1993180.985	
MW-08-01	763757.010	1993157.160	
GP-08-01	763745.397	1993097.697	
GP-08-02	763737.692	1993089.878	
SV-08-01	763745.397	1993097.697	
SV-08-02	763737.692	1993089.878	
AOC 2			
MW-09-01	763562.000	1992916.000	Coordinates are estimated.
SB-09-01	763612.520	1992842.650	Coordinates are estimated.
SB-09-02	763339.833	1993220.180	
SB-09-02 SB-09-03	763375.840	1992942,247	
SB-09-03 SB-09-04	763504.615	1993019.224	
SS-09-01	763357.603	1992948.599	
SS-09-02	763383.728	1993188.696	
GP-09-01	763636.250	1992853.580	
GP-09-02	763644.100	1992868.560	
GP-09-03	763627.540	1992882.130	
GP-09-04	763597.110	1992861.780	
GP-09-05	763487.970	1993083.747	
GP-09-06	763453.940	1993035.200	
GP-09-07	763493.896	1993035.200	
GP-09-08	763501.788	1993066.735	
0, 00	705501.700	1775000.755	

TABLE G-1 GPS SURVEY DATA

FORT ALLEN PHASE I SITE INSPECTION JUANA DIAZ, PUERTO RICO

	(\$ 0.00 (\$ £ £)		
G#80.80		ROTA PARTY	CONOCKIS
PAINT AND CH	 EMICAL STORAG	E ROOM	
GP-PC-01	763621.746	1992926.550	
GP-PC-02	763605.470	1992911.005	
GP-PC-03	763615.626	1992882.104	
GP-PC-04	763633.572	1992890.181	
SV-PC-01	763624.140	1992925.067	
SV-PC-02	763608,223	1992908.899	
SV-PC-03	763631.690	1992882,717	
SV-PC-04	763633.030	1992899,637	
SV-PC-05	763634.087	1992917,288	
MW-1	763636.188	1992902.246	
MW-2	763637.600	1992898.282	
MW-3	763633.177	1992898.169	
MW-4	763635.547	1992895.522	
	RBICIDE MIXING		
GP-PH-01	763790.000	1992949.000	Coordinates are estimated.
GP-PH-02	763802.382	1992943.338	
GP-PH-03	763819.559	1992962.085	
SB-PH-01	763835.705	1992961.874	
SV-PH-01	763791.000	1992947.000	Coordinates are estimated.
SV-PH-02	763802.655	1992942.028	
SV-PH-03	763807.868	1992962.305	
SV-PH-04	763819.130	1992962.032	
OMS #9			
GP-M9-01	764161.259	1992900.848	
GP-M9-02	764156.551	1992915.616	
GP-M9-03	764131.823	1992927.974	
GP-M9-04	764061.765	1992896.766	
GP-M9-05	764095.358	1992867.603	
SB-M9-01	764156.035	1992901.833	
SS-M9-01	764067.394	1992869.686	
SV-M9-01	764160.523	1992900.855	
SV-M9-02	764154.408	1992901.903	
SV-M9-03	764157.617	1992909.530	
SV-M9-04	764059.793	1992914.499	
SV-M9-05	764057.686	1992895.918	
SV-M9-06	764094.596	1992867.931	

TABLE G-1 GPS SURVEY DATA

FORT ALLEN PHASE I SITE INSPECTION JUANA DIAZ, PUERTO RICO

UTM COORDINATES			
SITE ID	EASTING	NORTHING	COMMENTS ²
LEAKING ELE	 <u>CTRICAL TRA</u> NSF	ORMER	
SS-LE-01	764231.000	1992778.000	Coordinates are estimated.
SS-LE-02	764232.000	1992778.000	Coordinates are estimated.
WASTEWATEI	R TREATMENT PL	ANT	
GP-WW-01	765195.813	1992955.762	
GP-WW-02	765200.818	1992957.159	
GP-WW-03	765233.408	1992929.010	
GP-WW-04	765238.000	1992936.000	Coordinates are estimated.
GP-WW-05	765242.343	1992930.492	
GP-WW-06	765246.363	1992925.794	
SS-WW-01	765243.915	1992926.835	
SV-WW-01	765199.851	1992955.980	
SV-WW-02	765233.293	1992928.845	

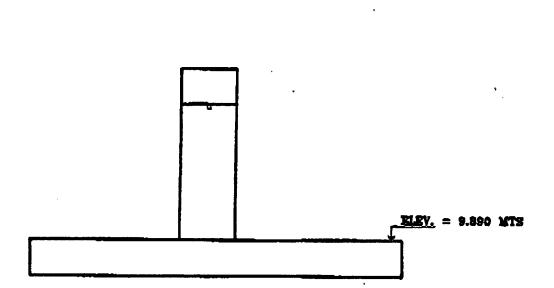
NOTES:

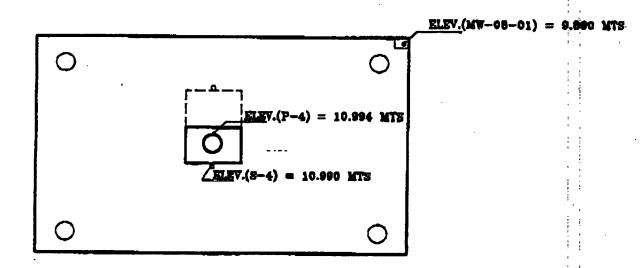
- 1) Puerto Rico Datum.
- 2) All coordinates measured with Trimble Pro-XL GPS unit and radio beacon, unless otherwise noted.

P.3 Dec. 27 1996 02:46PM P3

PHONE NO. : 7878418927

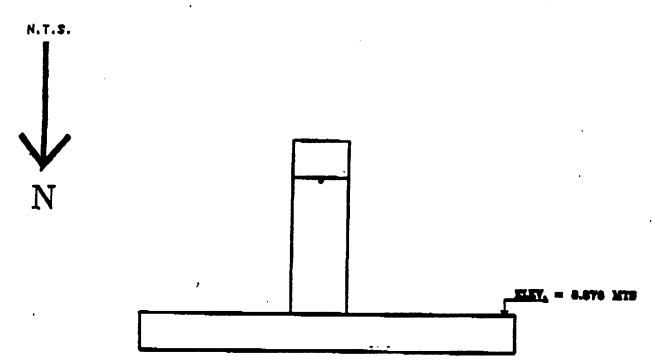


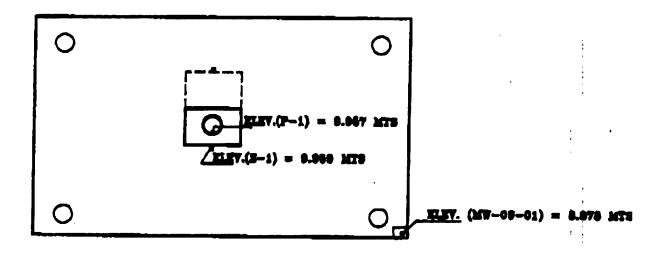




MW - 08 - 01

Dec. 27 1996 02:47PM P4

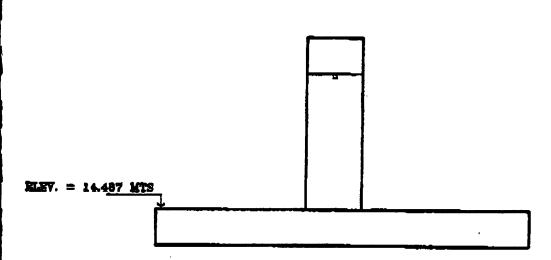


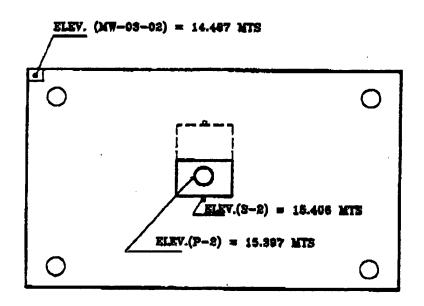


MW - 09 - 01

Dec. 27 1996 02:47PM P5

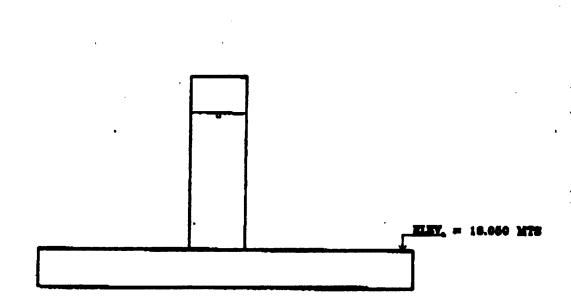


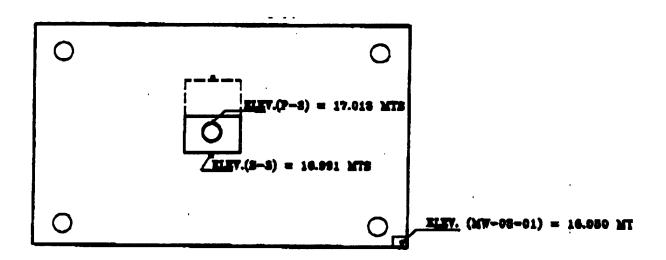




MW - 03 - 02







MW - 03 - 01



PROJECT ANALYTE LIST/QUANTERRA REPORTING LIMITS

W001976APP

Volatile Organics Target Compound List (TCL)

VMS1

Component	Reporting Limit (ua/L)
Chloromethane Acetone Bromomethane Vinyl chloride Chloroethane Methylene chloride 1.1-Dichloroethene 1.2-Dichloroethene 1.2-Dichloroethene ^(cis/trans) Chlorobenzene 4-Methyl-2-pentanone ^(MIBK) Chloroform 1.2-Dichloroethane 2-Butanone (MEK) Carbon disulfide 1.1.1-Trichloroethane Carbon tetrachloride Bromodichloromethane 1.2-Dichloropropane Trichloroethene Dibromochloromethane cis-1.3-Dichloropropene trans-1.3-Dichloropropene 1.1.2-Trichloroethane Benzene Bromoform 1.1.2.2-Tetrachloroethane Tetrachloroethene Toluene	1.0 5.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1
Ethylbenzene Styrene Xylenes (total)	1.0 1.0 1.0

Volatile Organics^Target Compound List (TCL)

VMS1

Component	Reporting Limit (ug/am)
Toluene	0.010
Acetone	0.010
Benzene	0.010
Bromodichloromethane	0.010
Bromoform	0.010
Bromomethane	0.010
2-Butanone (MEK)	0.010
Carbon disulfide	0.010
Carbon tetrachloride	0.010
Chlorobenzene	0.010
Chloroethane	0.010
Chloroform	0.010
Chloromethane	0.010
Dibromochloromethane	0.010
1,1-Dichloroethane	0.010
1.2-Dichloroethane	0.010
1.1-Dichloroethene	0.010
1.2-Dichloroethene ^(total)	0.010
1,2-Dichloropropane	0.010
cis-1,3-Dichloropropene	0.010
trans-1.3-Dichloropropene	0.010
Ethylbenzene	0.010
2-Hexanone	0.010
Methylene chloride	0.010
4-Methyl-2-pentanone ^(MIBK)	0.010
Styrene	0.010
1.1.2.2-Tetrachloroethane	0.010
Tetrachloroethene	0.010
1.1.1-Trichloroethane	0.010
1.1.2-Trichloroethane	0.010
Trichloroethene	0.010
Vinyl chloride	0.010
Xylenes (total)	0.010

Semivolatile Organics^Target Compound List (TCL)

Component	December of the state of the st
Component	Reporting Limit (ug/L)
Acenaphthene	10
Acenaphthylene	10
Anthracene	10
Carbazole	10
Benzo(a)anthracene	10
Benzo(b)fluoranthene	10
Benzo(k)fluoranthene	10
Benzo(g,h,i)perylene	10
Benzo(a)pyrene	10
4-Bromophenyl^phenyl ether	10
Butyl benzyl phthalate	10
4-Chloroaniline	10
bis(2-Ch]oroethoxy)^methane	10
bis(2-Chloroethyl) ether	10
bis(2-Chloroisopropyl) ether	10
p-Chloro-m-cresol	10
2-Chloronaphthalene	10
2-Chlorophenol	10
4-Chlorophenyl ^phenyl ether	10
Chrysene	10
Dibenz(a,h)anthracene	10
Dibenzofuran Di n hutul phthalata	10
Di-n-butyl phthalate 1,2-Dichlorobenzene	10
1.3-Dichlorobenzene	10
1.4-Dichlorobenzene	10 10
3,3'-Dichlorobenzidine	10
2.4-Dichlorophenol	10
Diethyl phthalate	10
2.4-Dimethylphenol	10
Dimethyl phthalate	10
4.6-Dinitro-^2-methylphenol	25
2.4-Dinitrophenol	80
2.4-Dinitrotoluene	10
2.6-Dinitrotoluene	10
Di-n-octyl phthalate	10
bis(2-Ethylhexyl)^phthalate	35
Fluoranthene	10
Fluorene	10
Hexachlorobenzene	10
Hexachlorobutadiene	10
Hexachlorocyclopentadiene Hexachloroethane	10
Indeno(1,2,3-cd)pyrene	10
Isophorone	10 10
2-Methylnaphthalene	10
2-Methylphenol	10
4-Methylphenol	10
Naphthalene	10
2-Nitroaniline	25
-	

Semivolatile Organics^Target Compound List (TCL)

Component	Reporting Limit (ua/L)
3-Nitroaniline 4-Nitrobenzene 2-Nitrophenol 4-Nitrophenol N-Nitrosodiphenylamine N-Nitroso-di-^n-propylamine Pentachlorophenol Phenanthrene Phenol Pyrene 1.2.4-Trichlorobenzene 2.4.5-Trichlorophenol	25 25 10 10 25 10 10 25 10 10 10
2.4.6-Trichlorophenol	10

TCL Semivolatile Organics

Component	Reporting Limit (ug/qm)
Phenol bis(2-Chloropehon) 1.3-Dichlorobenzene 1.4-Dichlorobenzene 1.2-Dichlorobenzene 2-Methylphenol bis(2-Chloroisopropyl)^ether 4-Methylphenol N-Nitroso-di-^n-propylamine Hexachloroethane Nitrobenzene Isophorone 2.4-Dimethylphenol bis(2-Chloroisopropyl)^methane 2.4-Dimethylphenol bis(2-Chloroethoxy)^methane 2.4-Dichlorophenol 1.2.4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene p-Chloro-m-cresol 2-Methylnaphthalene 4-A.5-Trichlorophenol 2.4.5-Trichlorophenol 2.4.5-Trichlorophenol 2Nitroaniline Dimethyl phthalate Acenaphthylene 3-Nitroaniline Acenaphthylene 3-Nitroaniline Acenaphtholene 2.4-Dinitrotoluene Diethyl phthalate 4-Chlorophenol 4-Nitrophenol Dibenzofuran 2.4-Dinitrotoluene Diethyl phthalate 4-Chlorophenyl ^phenyl ether Fluorene 4-Nitroaniline 4-Bromophenyl ^phenyl ether Huorene 4-Nitrosodiphenylamine 4-Bromophenyl phenyl ether Hexachlorobenzene Pentachlorophenol Phenanthrene Anthracene Carbazole Di-n-butyl phthalate	0.33 0.33 0.33 0.33 0.33 0.33 0.33 0.33

TCL Semivolatile Organics

Component	Reporting Limit (ua/am)
Fluoranthene	0.33
Pyrene	0.33
Butyl benzyl phthalate	0.33
3.3'-Dichlorobenzidine	0.33
Benzo(a)anthracene	0.33
bis(2-Ethylhexyl)^phthalate	0.33
Chrysene	0.33
Di-n-octyl phthalate	0.50
Benzo(b)fluoranthene	0.33
Benzo(k)fluoranthene	0.50
Benzo(a)pyrene	0.33
Indeno(1,2,3-cd)pyrene	0.50
Dibenz(a,h)anthracene	0.60
	0.60
Benzo(g,h,i)perylene	0.00



11/5/96

AEC Metals Methods and Reporting Limits

Method	Method	Element	Soil Reporting Limit	Water Reporting Limit
	Description		(ug/gm)	(ug/L)
ICM1	ICP/MS	Antimony	0.2	1.0
ICM1	ICP/MS	Arsenic	1.0	5.0
ICM1	ICP/MS	Beryllium	0.2	1.0
ICM1	ICP/MS	Cadmium	0.2	1.0
ICP1 & ICP2	ICP	Aluminum	280	200
ICP1 & ICP2	ICP.	Barium	40	200
ICP1 & ICP2	ICP	Calicium	1000	5000
ICP1 & ICP2	ICP	Chromium	3	10
ICP1 & ICP2	ICP	Cobalt	10	50
ICP1 & ICP2	ICP	Copper	5	25
ICP1 & ICP2	ICP	Iron	280	100
ICP1 & ICP2	ICP	Magnesium	1000	1000
ICP1 & ICP2	ICP	Manganese	7 .	15
ICP1 & ICP2	ICP	Nickel	8	40
ICP1 & ICP2	ICP	Potassium	1000	5000
ICP1 & ICP2	ICP	Silver	2	10
ICP1 & ICP2	ICP	Sodium	1000	5000
ICP1 & ICP2	ICP	Vanadium	10	50
ICP1 & ICP2	ICP	Zinc	4	20
GPB1	GFAA	Lead	1	3
GSE1	GFAA	Selenium	1	5
GTL1	GFAA	Thallium	2	10

Note: ICP1 applies only to soil samples and ICP2 only to waters.

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Mercury, Cold Vapor AA (Total)

Page 1

HGC1

<u>Component</u> <u>Reporting Limit (ug/L)</u>

Mercury 0.20

21	\triangle	\sim
24	OCT	70

Mercury, Cold Vapor AA

Page 1

HGC1

Component Reporting Limit (ua/am)

Mercury 0.20

Gasoline Range Organics and Selected Components

API GRO

Component	Reporting Limit (ug/L)
Benzene	0.50
Toluene Ethylbenzene	0.50 0.50
Xylenes (total)	0.50
Gasoline Range Organics	10

Page 1

Gasoline Range Organics and Selected Components

API GRO

Component	Reporting Limit (mg/kg)
Benzene	0.025
Toluene	0.025
Ethylbenzene	0.025
Xylenes (total)	0.025
Gasoline Range Organics	0.50

29 OCT 96

Extractable Petroleum Hydrocarbons

Page 1

GC/FID

Component Reporting Limit (mg/L)

Diesel Range Organics

0.10

29 OCT 96

Extractable Petroleum Hydrocarbons

Page 1

GC/FID

Component Reporting Limit (mg/kg)
Diesel Range Organics 4.0

Halogenated Volatile Organics

8010

Component	Reporting Limit (ug/kg)
Chloromethane	500
Bromomethane	500
Vinyl chloride	100
Chloroethane	500
Methylene chloride	500
1,1-Dichloroethene	50
1,1-Dichloroethane	50
trans-1,2-Dichloroethene	50
Chloroform	50
1,1,2-Trichloro-1,2,2-^trifluoroethane	100
1,2-Dichloroethane	100
1,1,1-Trichloroethane	50
Carbon tetrachloride	50
Bromodichloromethane	100
1 2_Dichloronana	100
1,2-Dichloropropane trans-1,3-Dichloropropene	100
Trichloroethene	50
Dibromochloromethane	100
cis-1,3-Dichloropropene	200
1,1,2-Trichloroethane	100
EDB (1,2-Dibromoethane)	200
Bromoform	500
1,1,2,2-Tetrachloroethane	100
Tetrachloroethene	50
Chlorobenzene	200
CHIOTODENZENE	

29 OCT 96

0il & Grease, Gravimetric

Page 1

E413.1

Component Reporting Limit (mg/kg)

Oil and Grease

100

IMMUNOASSAY TEST RESULTS AND MANUFACTURER'S INSTRUCTIONS

SUMMARY OF IMMUNOASSAY TEST RESULTS TABLE I-1

FORT ALLEN PHASE I SITE INSPECTION JUANA DIAZ, PUERTO RICO

FIELD SAMPLE NUMBER PPC0110X PPC0210X PPC0310X	ANALYSIS BTEX BTEX BTEX BTEX BTEX	SIS XXX	MANUFACTURER OFTEST KIT D-Tech D-Tech	AMALYTICAL RESULTS <2.5 ppm <2.5 ppm <2.5 ppm <2.5 ppm
	BTEX	:× ××	D-Tech D-Tech D-Tech	< 2.5 ppm< 2.5 ppm11-20 ppm
	BTEX PCBs PCBs PCBs	×	D-Tech D-Tech D-Tech D-Tech	< 2.5 ppm< 0.5 ppm< 0.5 ppm< 0.5 ppm
	TOO TOO	fu f · f ·	ENSYS, Inc. ENSYS, Inc. ENSYS, Inc.	2) (2)
	Chlordane Chlordane Chlordane	ane ane ane	ENSYS, Inc. ENSYS, Inc. ENSYS, Inc.	<.020 ppm <.020 ppm <.020 ppm
PPH0204X ¹ PPH0304X PPH0304X ¹	Chlordane Chlordane Chlordane	ane ane	ENSYS, Inc. ENSYS, Inc. ENSYS, Inc.	< .020 ppm < .020 ppm < .020 ppm

NOTES: 1) Duplicate analysis, run concurrently with original analysis.

2) See Section 3.2 of the Phase I Site Inspection Report for a discussion of the immunoassay DDT analyses and results. ppm = parts per million



TK-1003S-1 800-222-0342

IMPORTANT

Read all instructions and handling procedures before using this kit. For assistance call the TECHNICAL SERVICE HOT LINE 1-800-222-0342.

INTENDED USE

The D TECHTM BTEX Soil Extraction Pac is designed to extract BTEX from soil samples. This extract is analyzed using the D TECH BTEX Test Kit (Item #TK-1003-1).

PRINCIPLE

BTEX (Benzene, Toluene, Ethylbenzene, and Xylene) are considered some of the most toxic components of petroleum products. Due to their solubility in water, along with their relatively low soil adsorption coefficients, they can easily migrate into the groundwater. A major environmental concern arises from spill contamination problems, especially from UST's (underground storage tanks). The presence of these compounds in excess of state defined levels is an indication of contaminated soil. To assay these compounds, it is necessary to first extract them from the soil.

The D TECH BTEX Soil Extraction Pac uses methanol to extract BTEX for analysis. Following this step the extracted compounds in the solvent are further prepared for analysis by an aqueous dilution. This enables the sample to be analyzed with the D TECH BTEX Test Kit (Item #TK-1003-1).

KIT DESCRIPTION

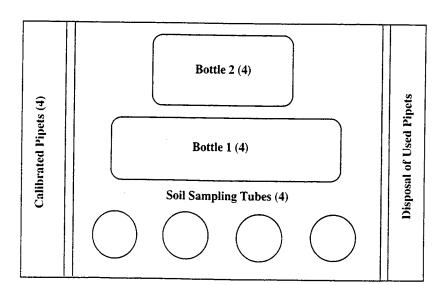
The D TECH BTEX Soil Extraction Pac contains sufficient materials to perform four (4) soil sample extractions.

STORAGE/STABILITY

This kit has excellent stability at room temperature and under refrigeration. For expiration dating under these conditions, see package label.

MATERIALS PROVIDED:

See tray diagram below. This diagram includes the D TECH BTEX Soil Extraction Pac component names and quantity of each item.



Not Shown In Diagram

Used Kit Label (1)

Instruction Guide (1)

Red dot labels (4)

for used Bottle 2 components.



TK-1003S-1 800-222-0342

HEALTH/SAFETY

Material Safety Data Sheets (MSDS) have been supplied with the purchase of this product. The MSDS should be read before using this test.

Included in this section, we have emphasized health and safety precautions that should be followed when handling these solutions.

PROTECT EYES WITH SAFETY GLASSES PROTECT SKIN WITH PROTECTIVE GLOVES

BTEX Bottle 1 (51605) 100% METHANOL

Associated Hazards

Flammable Liquid and Vapor (NO SMOKING OR OPEN FLAME).

Harmful Vapor.

May be fatal or cause blindness if swallowed.

Cannot be made non-poisonous.

Absorption through skin harmful.

May cause damage to lungs and central nervous system.

Symptoms of Exposure

After ingestion or inhalation, initial symptoms may be only that of mild intoxication, but may become severe after 12 to 18 hours.

Affects Central Nervous System, especially optic nerve.

Marked impairment of vision and enlargement of the liver has been reported with chronic exposure.

Causes dizziness, nausea, muscle weakness, narcosis and respiratory failure.

Prolonged or repeated skin contact may cause irritation.

Fetal development abnormalities and effects on the embryo or fetus have been reported from prolonged exposure to methyl alcohol (methanol) in laboratoy tests involving pregnant rats.

First Aid Measures

GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE

Skin: Eves: Immediately flush thoroughly with large amounts of water.

Inhalation:

Immediately flush with water for at least 15 minutes.

Remove to fresh air; give artificial respiration if breathing has stopped.

Ingestion:

If conscious, drink water and induce vomiting immediately as directed by medical

personnel. Never give anything by mouth to an unconscious person.

BTEX Bottle 2 (51606) Azide in buffer

Associated Hazards

May be irritating to skin, eyes, and mucous membranes.

Symptoms of Exposure

May be irritating on contact with skin, eyes, or mucous membranes.

First Aid Measures

GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE

Skin:

Wash thoroughly with soap and water.

Eyes:

Immediately flush with water for at least 15 minutes.

Inhalation:

Remove to fresh air; give artificial respiration if breathing has stopped.

Ingestion:

Get immediate medical attention; if conscious, give water freely.



TK-1003S-1 800-222-0342

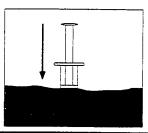
This package is designed to serve as a WORK STATION. At the conclusion of the test, the components can be left in the package for proper disposal.

TEST PROCEDURE

Sampling

Step 1: Break up the soil so that it is a uniform sample. See Sample Preparation Information (page 4) for further instructions. Draw back the Soil Sampling Tube plunger until it stops. Push the Soil Sampling Tube into the soil several times with a twisting action to firmly pack and fill the tube. Remove excess soil from the external surface of the sampling tube and barrel end. Two (2) soil plugs are required for the BTEX extraction. It is recommended that both plugs be drawn sequentially with the same plunger.

Step 2: Two (2) soil plugs are required for the BTEX extraction. Dispense each soil plug into Bottle 1 by positioning the barrel into the neck of the bottle and firmly pushing the plunger. If soil lodges in the neck of the bottle, use the sampling tube to push it into the bottle. If soil adheres to the threads of the bottle neck and cap, wipe clean before placing cap on bottle. Cap bottle tightly.





Extraction From Soil

Step 3: Mix the soil and liquid in Bottle 1 by shaking vigorously for 1 minute.



Step 4: Allow the soil to settle for approximately **3 minutes.** Some soils will settle more slowly than others.



Diluting the Extraction Solution

Step 5: Remove the cap from Bottle 2.

Step 6: Using the 0.5 mL Calibrated Pipet, remove 0.5 mLof the liquid layer from Bottle 1 and dispense it into Bottle 2; mix well. Replace the cap tightly on Bottle 1 and return to tray. Place the used pipet in the right side tray compartment.



Step 7: Use Bottle 2 as sample in Step 1 under Test Procedure for analysis in the D TECH BTEX Test Kit (Item #TK-1003-1). If the last extraction has been performed, place the "Used Kit" label on the Soil Extraction Pac box to seal it shut.

Helpful Hint: Cap **Bottle 2** tightly and return to tray. Red dot labels have been provided to indicate used Bottle 2 components.



TK-1003S-1 800-222-0342

SAMPLE COLLECTION AND PREPARATION INFORMATION

COLLECTION

Soil samples should be collected using standard BTEX site sampling protocols such as the EPA SW-846 or various state defined methods. Due to the volatility of BTEX, samples should be collected in a glass container with a Teflon™-lined screw-top lid taking care to minimize the headspace (the airspace above the sample). Exposure to high temperature, sunlight, chemical or biological degradation and open air should be avoided. All unanalyzed samples should be stored and transported on ice.

PREPARATION

To achieve a more homogeneous soil distribution and to insure reproducible test results, the soil sample should be mixed thoroughly. Exposure to the open air during mixing should be minimized. Remove all debris such as sticks, stones and leaves prior to using the D TECH Soil Sampling Tube. Sandy soil may require a scooping action to fill the tube. Squeezing the barrel of the Soil Sampling Tube will help to expel a tightly packed sample. Extraction of BTEX is more effective if the soil plug is broken into sections during its addition to Bottle 1.

Methanol has been proven to be an efficient BTEX extractant. Due to the volatile nature of both the methanol and BTEX compounds, all bottles should be kept capped to minimize evaporation.

VOLUME SAMPLING TECHNIQUE

The D TECH BTEX Soil Extraction Pac measures sample size using an efficient and economical volumetric technique. As with weight-based measurements, volumetric measurements of soils in field testing applications are not absolute and are subject to the influence of moisture content, organic matter content, soil type, etc. Variation in sample size can be minimized by insuring the **Soil Sampling Tube** is evenly filled. The sample size of the D TECH **Soil Sampling Tube** is 3 cubic centimeters, which is equivalent to an average of 4.5 grams of dry soil.

OUALITY CONTROL

All D TECH Test Kits are thoroughly quality controlled and manufactured at Strategic Diagnostics Incorporated's GMP facility. All products undergo extensive validation and field testing to assure accuracy and reliability. All products are thoroughly quality controlled to meet the published specification.

GENERAL LIMITED WARRANTY
All EM SCIENCE products
are warranted to meet the
specifications set forth on
their label only. All other warranties, expressed or implied,
including the warranties of
MERCHANTABILITY AND
FITNESS OF USE, are excluded.
Any change or modification
of an EM SCIENCE product or
of its prescribed procedure
for use may adversely affect
its stated specification.

EM SCIENCE shall not be liable in the event of any such change or modification or for any indirect or consequential damages. All EM SCIENCE products are sold on the condition that they be used and disposed of only within the scope of currently recognized entical standards related to human health and illephysical environment.

Prices and specifications are subject to change without notice. We reserve the right to discontinue items without prior notice.

EM SCIENCE/Strategic Diagnostics Inc. 480 Democrat Road P.O. Box 70 Gibbstown, N.J. 08027 (800) 222-0342



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BTEX TEST KIT INSTRUCTION GUIDE

TK-1008-1 800-222-0342

IMPORTANT

Read all instructions and handling procedures before using this kit. For assistance call the TECHNICAL SERVICE HOT LINE 1-800-222-0342.

INTENDED USE

The D TECH® BTEX (Benzene, Toluene, Ethylbenzene and Xylene) on-site and laboratory test kit is designed to provide quick, semiquantitative and reliable test results for making environmental decisions. The D TECH® BTEX test kit can be used on-site for identifying "hot spots", site mapping, monitoring of remediation processes and selecting site samples for laboratory analysis.

PRINCIPLE

The DTECH® system for analyzing trace amounts of BTEX utilizes immunoassay technology. This proven technique uses an antibody as an analytical reagent. Antibodies are biological molecules with the ability to specifically bind only the target compound amidst a complex sample matrix, thus eliminating the need for extensive sample cleanup. By linking the unique antibody selectivity with a sensitive non-enzymatic color indicator system, very low concentrations (ppm, ppb) of target compound can be determined. The color formed is inversely related to BTEX concentration. In this assay, the antibody recognizes the BTEX compounds as a class. See the DTECH® brochure "Immunoassay Comes To Environmental Testing" for a detailed explanation of the unique immunoassay format used.

TEST KIT DESCRIPTION

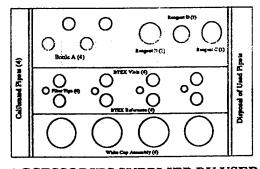
The D TECH® BTEX Test Kit, Item #TK-1008-1, contains sufficient materials to perform four (4) tests. This kit can test water samples or be used with the D TECH® BTEX Soil Extraction Pac, Item # TK-1003S-1, to test soil samples. The BTEX Soil Extraction Pac contains only the materials needed to extract BTEX from soil for semiquantitation with this D TECH® BTEX Test Kit. The results can be obtained by using the enclosed Color Card or the DTECHTOR Meter, Item # TK-1001M-1.

STORAGE AND STABILITY

This kit has a working temperature range from 45° to 100°F (7° to 38°C) and should be stored from 40° to 100°F (4° and 38°C). Do not freeze the kit or store it in direct sunlight. The expiration dating varies with storage temperature. The user should note the date of receipt and the storage conditions of the kit(s) directly on the kit box(es). For expiration dating under various storage conditions, see the package label.

MATERIALS PROVIDED

See the tray diagram below. This diagram includes the kit component names and quantity of each item.



Not shown in diagram

Used Kit Label (1)
Instruction Guide (1)
Color Card (1)
Data Labels (4) for Cup Assembly
Red Dot Labels (4) for identifying
used Bottle A components

ACCESSORIES SUPPLIED BY USER

- Timing Device (minutes)
- the DTECHTOR Meter, Item #TK-1001M-1 (optional)



BTEX TEST KIT INSTRUCTION GUIDE

TK-1008-1 800-222-0342

Important:

Once the test is initiated, all steps must be executed sequentially without stopping.

Please read all the Health and Safety Comments on page 7 prior to use.

Note: This package is designed to serve as a WORK STATION. At the conclusion of the test, the components can be left in the package for proper disposal.

Note: BTEX is highly volatile. For accurate results, follow appropriate sample collection, storage and handling techniques.

Step 1: Choose the corresponding sample type to determine Step 1.

SOIL SAMPLE: After completing the sample extraction using the directions in the D TECH® BTEX Soil Extraction Pac, use a clean calibrated pipet to transfer

0.5 mL of the Bottle 2 solution from the Extraction Pac to Bottle A. Snap a filter tip on Bottle A and gently mix by inverting two (2) times. Replace the cap on Bottle 2 and set aside.

WATER SAMPLE: Using a clean calibrated pipet, transfer 0.5 mL of the water sample to Bottle A. Snap a filter tip on Bottle A and gently mix by inverting two (2) times.

Note: The vials in the next two steps need to stand 5 minutes (+1-30 seconds) after liquid is dispensed into them. The solutions in these vials will remain hazy.

Step 2: Squeeze Bottle A filling the BTEX Test Vial (gray stopper) to a level between the two lines (approximately 13-14 drops). Gently mix by shaking the vial in a back and forth motion.

Immediately proceed to step 3.

Step 3: Squeeze the contents of Reagent C (white cap) to fill the BTEX Reference Vial (red stopper) to a level between the 2 lines. Gently mix by shaking the vial in a back and forth motion.

Note: Reconstitute the REFERENCE VIAL IMMEDI-ATELY after sample addition to the test vial. If analyzing several samples simultaneously, reconstitute a reference vial at the same time each test (sample) vial is filled.

Step 4: After 5 minutes (+/- 30 seconds) pour the contents of the BTEX Test Vial into the T (test) side of the cup assembly. Immediately pour the contents of the Reference Vial into the R side of the cup assembly. Allow the liquid to drain completely on both sides.



Note: The next two (2) steps use dropper tipped bottles. When dispensing these reagents, do not allow any dropper tip to contact any solution(s) or surface in the device. To assure uniform color development across the device, dispense the drop onto the sloped side of the well to lessen its impact. Do not allow the drop to fall into the middle of the well.

Note: The first time the kit is used, Reagent B must be reconstituted by filling the bottle up to the line (2.5 mL) with Reagent C (white cap). Invert three (3) times, then record the date on the bottle label. This reconstituted reagent can be used for up to one month when stored at room temperature or for up to two weeks at 37°C.

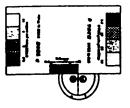
Step 5: Shake the reconstituted Reagent B bottle gently and open by squeezing the sides of the blue cap. Add 5 drops (+/- 1 drop) of Reagent B solution into each side of the cup assembly. Be sure to add this solution immediately to the second well after addition to the first well. Allow the liquid to drain completely.



Step 6: Add 5 drops (+/- 1 drop) of Reagent D solution (yellow cap) into each side of the cup assembly. Allow the wells to drain completely. Determine BTEX concentration of the sample.



Note: The reference R (left) side of the cup assembly functions as a procedural control. Compare the color produced in the reference well to the reference bar on the Color Card. The color of the well should approximate the color of the reference bar, indicating the test procedure was properly executed.



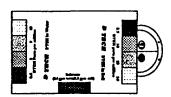
Note: The color in both wells is stable for approximately four (4) hours. For best results, sample concentrations should be determined within four (4) hours of the addition of Reagent D.

BTEX TEST KIT INSTRUCTION GUIDE

DETERMINING BTEX CONCENTRATION

The results from the D TECH® BTEX Test Kit can be interpreted using either the Color Card supplied with the kit or the DTECHTOR and the table provided below. If the color of the test does not exactly match a panel of the color card, user interpretation is required.

<u>COLOR CARD</u>: Match the color on the T side of the cup assembly to the appropriate section of the Color Card, e.g., a soil sample result should be compared to the soil panel of colors.



<u>the DTECHTOR</u>: Determine the % relative reflectance using the DTECHTOR. (See the Instrument Operator's Guide for complete instructions).

Use the conversion table below to determine the concentration range of BTEX in the sample. Record the result on a Cup Assembly label and apply the label to the cup.

the DTECHTOR Table

Sample	the DTECHTOR Reading	BTEX Equivalents (ppm)
Soil	LO 1 - 20 21 - 35 36 - 60 61 - 75 HI	< 2.5 2.5 - 5.0 5.1 - 10 11 - 20 21 - 35 > 35
Water	LO 1 - 10 11 - 35 35 - 55 55 - 75 HI	< 0.6 0.6 - 1.0 1.1 - 2.5 2.6 - 5.0 5.1 - 10 > 10

the DTECHTOR Meter Set Up

the DTECHTOR must be calibrated each time the meter is turned on. A Calibrator is provided with the meter for this purpose. The Calibrator must be clean and white to insure valid results.

Note: To obtain best results, do not take DTECHTOR readings in direct sunlight.

Step 1: Insert the Calibrator into the

		•	
Step 2: 1	Press the Square	Button 1 time	
	libration is comp		

Meter Head and hold firmly in place.

SET

ZERO

Step 3: Remove the Calibrator and return it to its protective cannister. The display remains.....

SET

Step 4: Press the Square Button 1 time to select meter program #1 (the Program to be used for this D TECH® test kit)......

SET#1)

Step 5: Insert the Cup Assembly (test) into the Meter Head and firmly hold in place. . .

(TEST#1

Note: The #1 in the upper right corner of the display window in Steps 4 & 5 corresponds to the meter program number being used to obtain the meter reading.

Step 6: Press the Square Button 1 time....

Obtain the meter reading. For example. . . .

46%

Step 8: (Optional) Key in 4 digit sample ID code number. (This feature can be used for sample identification if the data is to be downloaded to a computer).

Step 9: Remove the Cup Assembly.....

SET#1

Step 10: Insert the next Cup Assembly (test) and repeat Steps 5 - 9.

BTEX TEST KIT INSTRUCTION GUIDE

· ·

PRECAUTIONS AND PROCEDURAL NOTES

- The test should be run at a temperature range of 45° to 100° F (7° to 38° C).
- The kit may be stored at a temperature range of 40° to 100° F (4° to 38° C). Storage at higher temperatures may damage the reagents. Do not store the kit in direct sunlight. See the package label on the bottom of the test kit box for additional information.
- Check the expiration date on the bottom of the kit prior to use. The expiration date is dependent on the storage temperature of the kits.
- Reagents from different kits CANNOT be mixed.
- Due to the volatility of the BTEX compounds, special sample collection, handling and storage techniques are required. To minimize BTEX losses in the sample, site sampling protocols such as the EPA SW-846 or various state defined methods should be followed. Special attention should be paid to:
 - minimizing sample exposure to air.
 - eliminating headspace in the sample container by filling it to the top with sample.
 - using Teflon® lined screw cap sample containers.
 - storing samples at 35° 45° F (2° 8° C) until analysis.
- Although this kit has been designed to compensate for naturally occurring sample pH imbalances, intentionally acidified samples CANNOT be used with this test. Samples should be tested prior to acidification.
- SALT WATER samples (ocean, sea, etc.) require a special sample preparation step. Please contact our technical service hotline at 800-222-0342 for further information.
- Once initiated, the test should be run as quickly as possible. DO NOT STOP BETWEEN STEPS.

- The diluted sample extract and the reference reconstitution diluent (white cap) should be at approximately the same temperature before adding either to their respective test or reference vial.
- Avoid splashing any methanol from Bottle 1 when adding the soil plug. The rate at which the soil is expelled from the sampling tool can be controlled by squeezing the barrel of the sampling tool when depressing the plunger.
- The extraction is easier to perform if the soil is broken into sections during its addition to Bottle 1.
 This can be accomplished by expelling a portion of the soil from the sampling tool and touching it to the inside neck of the bottle. The soil will fall directly into the methanol.
- Some soils, especially clays, may require extremely rigorous shaking during extraction. If after three (3) minutes the soil plug is not uniformly dispersed, continue shaking with a rigorous top to bottom motion until the sample disperses. This may take up to five (5) minutes.
- Allow ample time for the soil to settle in Bottle 1. A clear methanol layer should form on the top of the soil. Certain clays and other soils may require up to thirty (30) minutes to cleanly separate.
- This immunoassay test uses a unique color development step that does not utilize an enzyme. By removing the enzyme from the test, temperature dependency has virtually been eliminated. Nonetheless, for best results, the test should be run between 45° and 100°F (7° and 38° C).
- The color produced by the test is stable for approximately four (4) hours. For best results, all sample concentrations should be determined within four (4) hours of the addition of Reagent D (Page 2 Step 6).
- Used kits should be disposed of in accordance with applicable federal and local regulations.
- A quality control program should be included in the sampling protocol. The type of program necessary may vary by state, compound of interest and site.



3

TK-1008-1 800-222-0342

INTERPRETATION OF THE SOIL & WATER TESTS

Sample volatility is a major consideration with BTEX analyses. Studies have shown sample concentrations can decrease within hours if proper sample collection, storage and handling procedures are not followed. For the most accurate results and subsequent site characterization, we recommend analyzing BTEX samples within twenty-four (24) hours of collection.

The D TECH® BTEX Test Kit reports results as BTEX equivalents in a soil or water sample. This kit primarily detects ethylbenzene, toluene and o-xylene and reacts well with m-xylene, p-xylene and benzene. The test has been standardized against a mixture of benzene, ethylbenzene, toluene and xylenes blended in the average ratio found in gasoline.

A positive test result may be due to the presence of BTEX, cross reactants or mixtures of these compounds. For the most accurate results, pre-characterize the site, identifying all contaminants, by analyzing a small number of representative samples using a traditional analytical method. Compare the pre-characterization results to the "Specificity" Table on page 6. If the site contamination consists primarily of a BTEX mixture, similar to a gasoline source, the test will accurately define the BTEX concentration range. If the site contains BTEX along with a compound that displays cross reactivity, the test will slightly overestimate the BTEX concentration range.

Sample volatility and heterogeneity, sampling technique, extraction efficiency and sample matrix effects all contribute to the variability in the D TECH® BTEX test. To obtain a 96% level of confidence in the results, the user must allow an interval of +/-18% of the indicated concentration. If you have any questions about the 96% confidence level around an action concentration, please call our technical service hotline at 1-800-222-0342 for assistance.

RELIABILITY

Studies have shown the D TECH® BTEX Test Kit to yield less than 1% false negatives and less than 6% false positives in soils and less than 1% false negatives and less than 8% false positives in waters throughout the working range of the kit.

SENSITIVITY

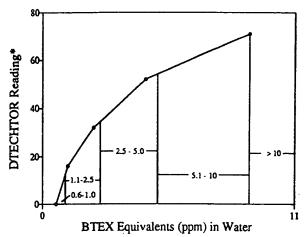
The D TECH® BTEX Test Kit can be used to measure BTEX in the following ranges:

Sample	the DTECHTOR	Color Card
Soil (ppm)	2.5 - 35	2.5 - 35
Water (ppm)	0.6 - 10	0.6 - 10

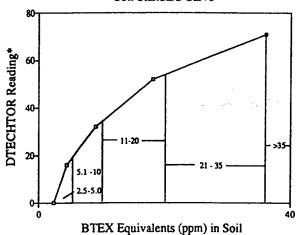
The Minimum Detection Limit (MDL) of the BTEX test is 2.5 ppm in soil and 0.6 ppm in water. A 96% confidence level occurs at 3.0 ppm in soil and 0.9 ppm in water

BTEXSTANDARD CURVES

D TECH BTEX Test Kit Water Standard Curve



D TECH BTEX Test Kit Soil Standard Curve



*Percent Reflectance Relative to Reference

BTEX TEST KIT INSTRUCTION GUIDE

PERFORMANCE CHARACTERISTICS

SPECIFICITY

The D TECH® BTEX Test Kit has been tested for cross reactivity with structurally similar compounds and other priority pollutants. The table below summarizes the cross reactivity of these compounds using the DTECHTOR. A positive test result may be due to the presence of BTEX, cross reactants or mixtures of these compounds. Samples testing positive for BTEX should be further characterized by approved methods. The D TECH® BTEX Test Kit has been designed to minimize the effect of environmental interferences.

Compound	MDL• (ppm)	Cross ^b reactivity
BTEX	0.6	100
ethylbenzene	0.6	100
toluene	0.6	100
o-xylene	0.6	100
m-xylene	1.4	48
p-xylene	1.3	45
benzene	1.2	39
chlorobenzene	5	32
naphthalene	11	14
benzo (a) pyrene	6	11
1,2-dichlorobenzene	5	9
o-cresol	5	7
chrysene	6	6
nitrobenzene	5	2
4-ethyltoluene	5	2
isooctane	72	<1
2-nitrophenol	C	<1
1,3-dichloropropene	C	<1
2,4-dinitrotoluene	C	<1
benzoic acid	C	<1
hexane	С	<1
pentachlorophenol	¢	<1
methylcyclonexane	C	<1
16 PAH	c (total)	<1

- The Minimum Detection Limit (MDL) is defined as the lowest concentration of compound that yields a positive test result.
- b The % cross-reactivity is determined by dividing the equivalent BTEX concentration by the actual compound concentration at IC₅₀ (the concentration at 50% inhibition).
- c Could not be detected by the D TECH® test at 500 ppm.

INTERFERING SUBSTANCES

The D TECH® BTEX Test Kit has been tested for results interference by other priority pollutants. A negative interference (none) indicates the target compound spiked into a BTEX sample at a concentration of 500 ppm, did not affect the BTEX result. The table below summarizes the data.

Compound	% Cross reactivity	Interference
Aroclor 1254	<1	none
16 PAH	<1	none
PCP	<1	none
Transformer Oil	<1	none

TIME-TEMPERATURE RELATIONSHIP

The D TECH® BTEX test uses an unique non-enzyme color development procedure. By eliminating the use of the enzyme in this test, the temperature dependency, characteristic of enzyme immunoassays, has been minimized. The incubation time is the same throughout the working temperature range of the kit. Reliable BTEX results are obtained when testing occurs in the temperature range of 45° to 100° F (7° to 38° C).

TEST VARIATION

The BTEX Test Coefficient of Variation (CV), also known as the Relative Standard Deviation (RSD), has been evaluated at various concentrations. The data indicate the average test RSD, based on concentration, is 9 %.

TESTING HIGHER BTEX CONCENTRATIONS

For further information, please call our technical service hotline 1-800-222-0342

REFERENCES

Test Methods for Evaluating Solid Waste, Physical/ Chemical Methods. SW-846; 3rd Edition #1; U. S. Environmental Protection Agency: Washington D.C., 1992.



BTEX TEST KIT INSTRUCTION GUIDE

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QUALITY CONTROL

- 1. Read the test instructions completely before use to assure familiarity with the test procedure.
- 2. Read the BTEX site sampling protocol prior to sampling to assure familiarity and compliance with the procedure.
- 3. Monitor the storage conditions of the tests. Expiration dates are dependent on storage temperature.
- 4. To insure test reproducibility, investigators should confirm that all samples analyzed are homogeneous and representative of the site of interest.
- 5. A reference must be run with each test. The reference serves as a positive control to ensure the performance of the test and to verify proper test execution.
- 6. Prior to analysis, the user should incorporate a quality assurance and quality control plan into the field testing procedure. We recommend adherence to USEPA data quality guidelines and suggest including the following steps in your QA/QC plan:
 - a. Record the operator's name, the date, time of collection and location of each sample.
 - b. Record any raw data, calculations and final results for each sample.
 - c. Document matrix and background effects by testing an uncontaminated sample taken on site.
 - d. Run a duplicate analysis on one of every 20 samples.
 - e. Confirm field sample analyses by submitting at least 10% of the samples for quantitation by an EPA approved method that is different from the field method. Representative samples should include 3 samples above and 2 samples below the minimum detection limit of the field assay.
- 7. Additional options:
 - a. Use performance evaluation standards daily for assay validation.
 - b. Document the method blank by completing the assay without introducing sample.
 - c. Perform a field analysis on a matrix spike to document any matrix effect on the analyte measured.

HEALTH/SAFETY

Material Safety Data Sheets (MSDS) have been supplied with the purchase of this product. The MSDS should be read before using this test. During the execution of the test, any excess BTEX is absorbed into the Cup Assembly absorbent plug. It is not retained on the surface of the Cup Assembly.

PROTECT EYES WITH SAFETY GLASSES AND PROTECT SKIN WITH PROTECTIVE GLOVES.

Associated Hazards: May be irritating to skin, eyes and mucous membranes.

Symptoms of Exposure: May be irritating on contact with skin, eyes and mucous membranes.

First Aid Measures: GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE

Skin: Wash thoroughly with soap and water

Eyes: Immediately flush with water for at least 15 minutes.

Inhalation: Remove to fresh air. Give artificial respiration if breathing has stopped.

Ingestion: Get immediate medical attention. If conscious, give water freely.



The DTECH® Field Test Products available from EM Science include:

D TECH Product	Item Number
TNT Test Kit RDX Test Kit TNT/RDX Soil Extraction Pac	TK-1004-1 TK-1005-1 TK-1001S-1
PCB in Soil Test Kit PCB Wipe Test Kit	TK-1002-1 TK-1002W-1
"NEW" BTEX Test Kit	TK-1008-1
(Dual Latex Particle Format) BTEX Soil Extraction Pac	TK-1003S-1
PAH Test Kit PAH Soil Extraction Pac	TK-1006-1 TK-1006S-1
TCE Test Kit	TK-1007-1
(Available June 1995) TCE Soil Extraction Pac (Available June 1995)	TK-1007S-1
PCP Test Kit	TK-1009-1
(Available September 1995) PCP Soil Extraction Pac (Available September 1995)	TK-1009S-1
ACCESSORIES	
DTECHTOR Meter	TK-1001M-1
Field Carry Bag	TK-1000-1

All D TECH® Test Kits are manufactured at Strategic Diagnostics Incorporated's GMP facility. All products are thoroughly quality controlled to consistently meet the published specifications.

GENERAL LIMITED WARRANTY EM SCIENCE shall not be All EM SCIENCE products are warranted to meet the specifications set forth on their label only. All other warranties, expressed or implied, including the warranties of MERCHANTABILITY AND FITNESS OF USE, are excluded. Any change or modification of an EM SCIENCE product or of its prescribed procedure for use may adversely affect its stated specification.

Sable in the event of any such change or modification or for any indirect or consequential damages. All EM SCIENCE products are sold on the condition that they be used and disposed of only within the scope of currently recognized critical standards related to human health and the physical environment

Prices and specifications are subject to change without notice. We reserve the right to discontinue items without prior notice.

EM SCIENCE/Strategic Diagnostics Inc. 480 Democrat Road P.O. Box 70° Gibbstown, N.J. 08027 (800) 222-0342

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P/N 50267 Rev 3/95



BTEX TEST KIT INSTRUCTION GUIDE

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Determining TPH Concentration for Various Fuels

the DTECHTOR

Determine the % relative reflectance using the DTECHTOR meter.

Use the conversion table below to determine the concentration range of TPH for the appropriate fuel.

		DTECHTOR Meter Reading			
	LO	0% - 25%	25% - 50%	50% - 75%	HI
Gasoline	<80 ppm	80-250 ppm	250-700 ppm	700-3000 ppm	>3000 ppm
Diesel	<40 ppm	40-750 ppm	750-2500 ppm	2500-5000 ppm	>5000 ppm
Kerosene	<60 ppm	60-700 ppm	700-2500 ppm	2500-9000 ppm	>9000 ppm
JP-4	<80 ppm	80-250 ppm	250-600 ppm	600-2000 ppm	>2000 ppm
JP-5	<100 ppm	100-700 ppm	700-2000 ppm	2000-9000 ppm	>9000 ppm
Jet A	<25 ppm	25-250 ppm	250-800 ppm	800-2000 ppm	>2000 ppm

OR

COLOR CARD

Match the color on the T side of the cup assembly to the BTEX Color Card.

Use the conversion table below to determine the TPH concentration for the appropriate fuel.

	Value f	rom BTEX Color	Card (ppm in soil))
	2.5	10	20	35
Gasoline	80 ppm	350 ppm	1100 ppm	3000 ppm
Diesel	40 ppm	1100 ppm	3500 ppm	5000 ppm
Kerosene	60 ppm	1000 ppm	4000 ppm	9000 ppm
JP-4	80 ppm	350 ppm	850 ppm	2000 ppm
JP-5	100 ppm	1100 ppm	3500 ppm	5000 ppm
Jet A	25 ppm .	450 ppm	1200 ppm	2000 ppm

Weathering effects, fuel manufacturer, and soil type may effect the reactivity profile of each fuel contaminant.

Questions regarding D TECH kit sensitivities or crossreactivities to petroleum fuels or other contaminants should be directed to your local D TECH technical sales representative, EM Science technical service, or the product manager.

Please call our technical service hotline 1-800-222-0342.



EM SCIENCE / Strategic Diagnostics Inc.

TPH Correlation of the BTEX Test Kit

USING THE BTEX TEST KIT TO TEST FOR TPH CONTAMINATION IN SOIL

The D TECH BTEX Test Kit can be used to test for TPH Contamination in Soil. The test kit can be used to detect gasoline, diesel, kerosene, and aviation fuels. Knowledge of the contaminating fuel type is necessary to obtain the highest level of accuracy for semi-quantitative testing.

SENSITIVITY

FUEL TYPE	MDL (Minimum Detection Level)
Gasoline	80 ppm
Diesel	40 ppm
Kerosene	60 ppm
JP-4	80 ppm
JP-4 JP-5	100 ppm
Jet A	25 ppm

PRINCIPLE

The D TECH BTEX Test Kit detects a subset of the chemical components (primarily aromatic) in the petroleum fuels listed above. The composition of the fuel type will determine the reactivity profile, and the MDL (minimum detection level), for that petroleum product. All chemical components detectable by the test in a single sample are summed as one result.

TEST PROCEDURES

Perform the D TECH BTEX Test utilizing the BTEX Soil Extraction Pac (TK-1003S) and BTEX Test Kit (TK-1008) as outlined in their respective instruction guides. At the conclusion of the test, use the DTECHTOR Meter (TK-1001M/1) or Color Card and the corresponding tables on next page for result interpretation.



PCB SOIL EXTRACTION Pac INSTRUCTION GUIDE

TK-1002S-1 800-222-0342

IMPORTANT

Read all instructions and handling procedures before using this kit. For assistance call the TECHNICAL SERVICE HOT LINE 1-800-222-0342.

INTENDED USE

The D TECH™ PCB Soil Extraction Pac is designed to extract PCB from soil samples. This extract is analyzed using the D TECH PCB Test Kit (Item #TK-1002-1).

PRINCIPLE

Polychlorinated biphenyls (PCB) are compounds commonly found in capacitors, transformers and other systems. The natural gas transmission and distribution industry commonly faces PCB spill contamination problems. PCB contamination has also been recognized as one of the concerns prompting remedial actions at an estimated 20% or more of all National Priority List (NPL) Superfund sites. The presence of these compounds above defined levels is an indication of PCB contaminated soil.

The D TECH PCB Soil Extraction Pac uses an organic solvent to extract the compounds for analysis. Following this step the extracted compounds in the solvent are further prepared for analysis by an aqueous dilution. This enables the sample to be tested with the D TECHTM PCB Test Kit (Item #TK-1002-1).

KIT DESCRIPTION

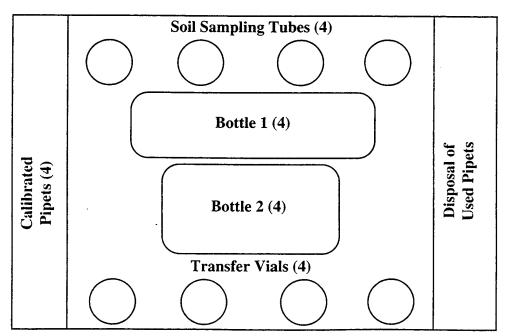
The D TECH PCB Soil Extraction Pac contains sufficient materials to perform four (4) soil sample extractions.

STORAGE/STABILITY

This kit has excellent stability at room temperature and under refrigeration. For expiration dating under these conditions, see package label.

MATERIALS PROVIDED

See tray diagram below. This diagram includes the D TECH PCB Soil Extraction Pac component names and quantity of each item.



Not shown in diagram

Used Kit Label (1)

Instruction Guide (1)

Red dot labels (4) for used Bottle 2 components.



PCB SOIL EXTRACTION Pac INSTRUCTION GUIDE

TK-1002S-1 800-222-0342

HEALTH/SAFETY

Material Safety Data Sheets (MSDS) have been supplied with the purchase of this product. The MSDS should be read before using this test.

Included in this section, we have emphasized health and safety precautions that should be followed when handling these solutions.

PROTECT EYES WITH SAFETY GLASSES PROTECT SKIN WITH PROTECTIVE GLOVES

PCB Bottle 1 (50674) 100% METHANOL

Associated Hazards

Flammable Liquid and Vapor (NO SMOKING OR OPEN FLAME).

Vapor Harmful.

May be fatal or cause blindness if swallowed.

Cannot be made non-poisonous.

Absorption through skin harmful.

May cause damage to lungs and central nervous system.

Symptoms of Exposure

After ingestion or inhalation, initial symptoms may be only that of mild intoxication, but may become severe after 12 to 18 hours.

Affects Central Nervous System, especially optic nerve.

Marked impairment of vision and enlargement of the liver has been reported with chronic exposure.

Causes dizziness, nausea, muscle weakness, narcosis and respiratory failure.

Ingestion can produce blindness (100 ml can be fatal).

Prolonged or repeated skin contact may cause irritation.

Fetal development abnormalities and effects on embryo or fetus have been reported from prolonged exposure to methyl alcohol in laboratory tests involving pregnant rats.

First Aid Measures

GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE

Skin: Immediately flush thoroughly with large amounts of water.

Eyes: Immediately flush with water for at least 15 minutes.

Inhalation: Remove to fresh air: give artificial respiration if breathing has stopped.

Ingestion: If conscious, drink water and induce vomiting immediately as directed by medical

personnel. Never give anything by mouth to an unconscious person.

PCB Bottle 2 (50669) Diatomaceous Earth

Associated Hazards

May be irritating to skin, eyes and mucous membrane.

Prolonged or repeated inhalation may cause demage to respiratory system.

Symptoms of Exposure

May be irritating to eyes on contact.

Prolonged or repeated inhalation of dust may cause damage to respiratory system.

Prolonged skin contact may cause irritation.

First Aid Measures

GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE

Skin: Wash thoroughly with soap and water.

Eyes: Immediately flush with water for at least 15 minutes.

Inhalation: Remove to fresh air: give artificial respiration if breathing has stopped.

Ingestion: Get immediate medical attention; if conscious, give water freely.

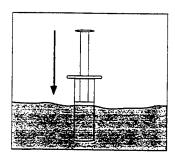
This package is designed to serve as a WORK STATION. At the conclusion of the test, the components can be left in the package for proper disposal.

<u>TEST PROCEDURE</u>

Sampling

Step 1: Break up the soil so that it is a uniform sample. See Sample Preparation Information (page 4) for further instructions. Draw back the Soil Sampling Tube plunger until it stops. Push the Soil Sampling Tube into the soil several times with a twisting action to firmly pack and fill the tube. Remove excess soil from external surface of the sampling tube and barrel end.

Step 2: Dispense the soil into Bottle 1 by positioning the barrel into the neck of the bottle and firmly pushing the plunger. If soil lodges in the neck of the bottle, use the sampling tube to push it into the bottle. If soil adheres to the threads of the bottle neck and cap, wipe clean before placing cap on bottle. Cap bottle tightly.





Extraction From Soil

Step 3: Mix the soil and liquid in Bottle 1 by shaking continuously over a 3 minute period.

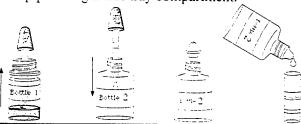


Step 4: Allow the soil to settle for approximately **1 minute.** Some soils will settle more slowly than others.

Diluting the Extraction Solution

Step 5: Remove cap from Bottle 2.

Step 6: Using the 2 ml Calibrated Pipet, remove 2 ml of the liquid layer from Bottle 1 and dispense it into Bottle 2; mix well. Replace cap tightly on Bottle 1 and return to tray. Place used pipet in right side tray compartment.



Step 7: Snap the filter tip onto the neck of Bottle 2. Squeeze Bottle 2 to deliver the filtered solution into the Transfer Vial. Use the Transfer Vial solution in Step 1 under Test Procedure for analysis in the D TECH PCB Test Kit (Item #TK-1002-1). If the last extraction has been performed, place the "Used Kit" label on the Soil Extraction Pac box to seal it.

Helpful Hint: Return Bottle 2 to tray. Red dot labels have been provided to indicate used Bottle 2 components.



PCB SOIL EXTRACTION Pac INSTRUCTION GUIDE

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SAMPLE PREPARATION INFORMATION

To achieve a more homogeneous distribution and to insure reproducible test results, the soil sample should be mixed thoroughly. Remove all debris, such as sticks, stones and leaves, prior to using the D TECH Soil Sampling Tube. Sandy soil may require a scooping action to fill the tube. Squeezing the barrel of the Soil Sampling Tube will help to expel a tightly packed sample. Extraction of PCB is more effective if the soil plug is broken into sections during addition to Bottle 1.

Methanol has been proven to be an efficient PCB extractant. Methanol bottles should be kept capped to minimize evaporation.

VOLUME SAMPLING TECHNIQUE

The D TECH PCB Soil Extraction Pac measures sample size using an efficient and economical volumetric technique. As with weight-based measurements, volumetric measurements of soils in field testing applications are not absolute and are subject to the influence of moisture content, organic matter content, soil type, etc. Variation in sample size can be minimized by insuring the **Soil Sampling Tube** is evenly filled. The sample size of the D TECH **Soil Sampling Tube** is 3 cubic centimeters, which is equivalent to an average of 4.5 grams of dry soil.

OUALITY CONTROL

All D TECH Test Kits are thoroughly quality controlled and manufactured at Strategic Diagnostics Incorporated's GMP facility. All products undergo extensive validation and field testing to assure accuracy and reliability. All products are thoroughly quality controlled to meet the published specifications.

GENERAL LIMITED WARRANTY
All EM SCIENCE products
are warranted to meet the
specifications set forth on
their label only. All other warranties, expressed or implied,
including the warranties of
MERCHANTABILITY AND
FITNESS OF USE, are excluded.
Any change or modification
of an EM SCIENCE product or
of its prescribed procedure
for use may adversely affect
its stated specification.

EM SCIENCE shall not be liable in the event of any such change or modification or for any indirect or consequential damages. All EM SCIENCE products are sold on the condition that they be used and disposed of only within the scope of currently recognized critical standards related to human health and the physical environment.

Prices and specifications are subject to change without notice. We reserve the right to discontinue items without prior notice.

EM SCIENCE/Strategic Diagnostics Inc. 480 Democrat Road P.O. Box 70 Gibbstown, N.J. 08027 (800) 222-0342



TK-1002-1 800-222-0342

IMPORTANT

Read all instructions and handling procedures before using this kit. For assistance call the TECHNICAL SERVICE HOT LINE 1-800-222-0342.

INTENDED USE

The D TECH® PCB on-site and laboratory test kit is designed to provide quick, semiquantitative and reliable test results for making environmental decisions. The D TECH PCB Soil and Wipe Test Kits can be used on-site for identifying "hot spots", site mapping, monitoring of remediation processes and selecting site samples for laboratory analysis. In the laboratory, the D TECH PCB Test Kit can screen for highly contaminated samples that require pre-dilution prior to instrumental analysis. The D TECH PCB Wipe Test can be used to determine the effectiveness of a PCB clean up effort. The D TECH PCB Test Kit has a working range of 0.5 to 25 ppm for soil samples and a 10 to 250 µg per 100 cm² for wipe samples. This test specifically detects Aroclors 1254, 1260 and 1262 equally, reacts well with Aroclors 1242, 1248 and 1268, moderately with Aroclors 1232 and 1016 and shows little reactivity to Aroclor 1221. The table on page 6 lists the amount of an Aroclor that is required to yield a positive test result.

PRINCIPLE

The D TECH® system for analyzing a trace amount of PCB utilizes immunoassay technology. This proven technique uses an antibody as an analytical reagent. Antibodies are biological molecules with the ability to specifically bind only the target compound amidst a complex sample matrix, thus eliminating the need for extensive sample cleanup. By linking the antibody selectivity with a sensitive color indicator system, very low concentrations (ppm) of target compound can be determined. The color formed is inversely related to PCB concentration. In this test, the antibody recognizes all PCBs as a class. See the D TECH brochure "Immunoassay Comes to Environmental Testing" for a detailed explanation of the unique immunoassay format used.

TEST KIT DESCRIPTION

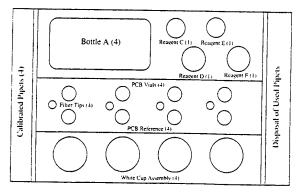
The D TECH PCB Soil Test Kit, Item #TK-1002-1, contains sufficient materials to perform four soil tests. All the materials needed to extract PCB from soils for semiquantitation are included. The D TECH PCB Wipe Test Kit, Item #TK-1002W-1, contains sufficient materials to perform four wipe tests. All the materials needed to extract PCB from surfaces for semiquantitation are included. Soil and wipe test results can be obtained by using the enclosed Color Card or the optional DTECHTOR Meter, Item #TK-1001M-1.

STORAGE AND STABILITY

This kit has a working temperature range from 45° to 100°F (7° to 38°C). For optimal stability, the kit should be stored from 40° to 100°F (4° and 38°C). Do not freeze the kit or store it in direct sunlight. The expiration dating varies with storage temperature. For expiration dating under various storage conditions, see the package label.

MATERIALS PROVIDED

See the tray diagram below. This diagram includes the kit component names and quantity of each item.



Not shown in diagram

Used Kit Label (1)
Instruction Guide (1)
Color Card (1)
Data Labels (4) for Cup Assembly
Red Dot Labels (4) for identifying
used Bottle A components

ACCESSORIES SUPPLIED BY USER

- Timing Device (minutes)
- the DTECHTOR Meter, Item #TK-1001M-1 (optional)



TK-1002-1 800-222-0342

Important: Once the test is initiated, all steps must be executed sequentially without stopping. Please read all the Health and Safety Comments on page 7 prior to use.

Note: This package is designed to serve as a WORK STATION. At the conclusion of the test, the components can be left in the package for proper disposal.

Step 1: After completing the sample extraction using the directions in the Extraction Pac, choose the corresponding sample type to determine Step 1.

SOIL SAMPLE: Using a clean calibrated pipet, transfer 0.5 mL of the Bottle 2 solution (soil extract) from the D TECH PCB Soil Extraction Pac to Bottle A. Snap a filter tip on Bottle A and gently mix by inverting three (3) times. Replace the cap on Bottle 2 and set aside.

WIPE SAMPLE: Using a clean calibrated pipet, transfer 0.5 mL of the Bottle 1 solution (wipe extract) from the D TECH PCB Wipe Extraction Pac to Bottle A. Snap a filter tip on Bottle A and gently mix by inverting three (3) times.

Note: The vials in the next two steps need to stand 5 minutes (+/-30 seconds) after liquid is dispensed into them. The solutions in these vials will remain hazy.

Step 2: Squeeze Bottle A filling the PCB Test Vial (gray stopper) to a level between the two lines (approximately 13-14 drops). Gently mix by shaking the vial in a back and forth motion. Immediately proceed to step 3.

Step 3: Squeeze the contents of Reagent C (white cap) to fill the PCB Reference Vial (red stopper) to a level between the 2 lines. Gently mix by shaking the vial in a back and forth motion.

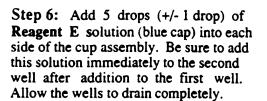
Note: Reconstitute the REFERENCE VIAL IMMEDI-ATELY after sample addition to the test vial. If analyzing several samples simultaneously, reconstitute a reference vial at the same time each test (sample) vial is filled.

Step 4: After 5 minutes (+/- 30 seconds) pour the contents of the PCB Test Vial into the T (test) side of the cup assembly. Immediately pour the contents of the Reference Vial into the R side of the cup assembly. Allow the liquid to drain completely on both sides.



Note: The next four (4) steps use dropper tipped bottles. When dispensing these reagents, do not allow any dropper tip to contact any solution(s) or surface in the device. To assure uniform color development across the device, dispense the drop onto the sloped side of the well to lessen its impact. Do not allow the drop to fall into the middle of the well.

Step 5: Add 10 drops (+/- 2 drops) of Reagent D solution (yellow cap) into each side of the cup assembly. Allow the liquid to drain completely.

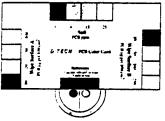






Step 7: Compare the color of the R (left) side of the cup assembly to the reference bar of the Color Card. When the color of the R Side matches the reference bar, the color development process should be stopped. Proceed to Step 8.

Note: Color development time is temperature dependent and takes approximately 10 minutes at 75°F. More time is required at lower temperatures and less time is required at higher temperatures. For example, this reaction may take 7 minutes at 85°F or it may take 20 minutes at 60°F.



Step 8: Add 8 drops (+/- 2 drops) of Reagent F solution (red cap) into each side of the cup assembly to stop color development. Allow to drain completely. Now determine the PCB concentration of the sample.

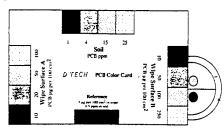
Note: The color in both wells is stable for approximately four (4) hours. For best results, sample concentrations should be determined within four (4) hours of the addition of Reagent F.



DETERMINING PCB CONCENTRATION

The results from the D TECH PCB Test Kit can be interpreted using either the Color Card supplied with the kit or *the* DTECHTOR and the table provided below. If the color of the test does not exactly match a panel of the color card, user interpretation is required

<u>COLOR CARD</u>: Match the color on the T side of the cup assembly to the **appropriate section of the Color Card**, e.g., a soil sample result should be compared to the soil panel of colors.



<u>the DTECHTOR</u>: Determine the % relative reflectance using *the DTECHTOR*. (see the Instrument Operator's Guide for complete instructions).

Use the conversion table below to determine the concentration range of total PCB in the sample. (See "Interpretation of the Soil and Wipe Tests" on page 5 to determine if wipe results should be determined from surface A or B.) Record the result on a Cup Assembly label and apply the label to the cup.

the DTECHTOR Table

Sample <u>Type</u>	the DTECHTOR	R PCB Equivalents
Wipe Surface A	LO - < 10 10 - 29 30 - 54 55 - 70 >70 - HI	ug per 100 cm ² < 10 10 - 19 20 - 49 50 - 100 > 100
Wipe Surface B	LO - < 20 20 - 34 35 - 49 50 - 65 > 65 - HI	ug per 100 cm ² < 10 10 - 49 50 - 99 100 - 250 > 250
Soil	LO - <10 10 - 20 21 - 40 41 - 60 61 - 70 > 70 - HI	ppm < 0.5 0.5 - 1.0 1.1 - 4.0 4.1 - 15 16 - 25 > 25

the DTECHTOR Meter Set Up

the DTECHTOR must be calibrated each time the meter is turned on. Calibrators are provided with the meter for this purpose. The Calibrator must be clean and white to insure valid results.

Note: To obtain the best results, do not take DTECHTOR readings in direct sunlight.

Step 1: Insert the Calibrator into the Meter Head and hold firmly in place.



Step 2: Press the Square Button 1 time. When calibration is complete the meter will display.





Step 4: Press the Square Button 2 times to select meter program #2 (the Program to be used for this D TECH test kit).



Step 5: Insert the Cup Assembly (test) into the Meter Head and firmly hold in place.



Note: The #2 in the upper right corner of the display window in Steps 4 & 5 corresponds to the meter program number being used to obtain the meter reading.

Step 6: Press the Square Button 1 time.



Obtain the meter reading. For example



Note: If the meter displays "WAIT", remove the Cup Assembly, Allow the reference color to develop further and try again.

Step 7: Record the result, then press the Square Button 1 time while holding the Cup Assembly in place.



Step 8: (Optional) Key in 4 digit sample ID code number. (This feature can be used for sample identification if the data is to be downloaded to a computer.)

Step 9: Remove the Cup Assembly.



Step 10: Insert the next Cup Assembly (test) and repeat Steps 5 - 9.



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PRECAUTIONS AND PROCEDURAL NOTES

- The test should be run at a temperature range of 45° to 100° F (7° to 38°C).
- The kit may be stored at a temperature range of 40° to 100°F (4° to 38°C). Storage at higher temperatures may irreversibly damage the reagents. Do not store the kit in direct sunlight. See the package label on the bottom of the test kit box for additional information
- Check the expiration date on the bottom of the kit prior to use. The expiration date is dependent on the storage temperature of the kits.
- Reagents from different kits CANNOT be mixed.
- Once initiated, the test should be run as quickly as possible. DO NOT STOP BETWEEN STEPS.
- The diluted sample extract and the reference reconstitution diluent (white cap) should be at approximately the same temperature before adding either to their respective test or reference vial.
- Avoid splashing any methanol from Bottle 1 when adding the soil plug. The rate at which the soil is expelled from the sampling tool can be controlled by squeezing the barrel of the sampling tool when depressing the plunger.
- The extraction is easier to perform if the soil is broken into sections during its addition to Bottle 1.
 This can be accomplished by expelling a portion of the soil from the sampling tool and touching it to the inside neck of the bottle. The soil will fall directly into the methanol.
- Some soils, especially clays, may require extremely rigorous shaking during extraction. If after three
 (3) minutes the soil plug is not uniformly dispersed, continue shaking with a rigorous top to bottom motion until the sample disperses. This may take up to five (5) minutes.

- Allow ample time for the soil to settle in Bottle 1.
 A clear methanol layer should form on the top of the soil. Certain clays and other soils may require up to thirty (30) minutes to cleanly separate.
- This test is temperature dependent. The reference serves as an incubation time indicator. DO NOT stop the test (Page 2 Step 8) until the color intensity produced in the reference well matches the reference color spot on the PCB color card. At 75°F, this reaction will take approximately ten (10) minutes. The warmer the temperature, the quicker the development occurs. For example, at 85°F this reaction may take seven (7) minutes and at 60°F this reaction may take twenty (20) minutes. For additional information, please see the "Time-Temperature Relationship" section on Page 6.
- The color produced by the test is stable for approximately four (4) hours. For best results, all sample concentrations should be determined within four (4) hours of the addition of Reagent F (Page 2 Step 8).
- This package is designed to serve as a WORK STATION. At the conclusion of the test, the components can be left in the package for proper disposal.
- Used kits should be disposed of in accordance with applicable federal and local regulations.
- A quality control program should be included in the sampling protocol. The type of program necessary may vary by state, compound of interest and site.
- Oil contamination exceeding 0.2% (2000 ppm) in a sample may interfere with the D TECH PCB test.
 This interference may yield a PCB concentration range that is lower than the actual PCB concentration contained in the sample. If a sample extract is discolored (usually yellow or brown), oil contamination should be suspected and the user should verify the result by an instrument method.



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INTERPRETATION OF THE SOIL & WIPE **TESTS**

The D TECH PCB Test Kit reports results of total PCB in a soil or wipe sample. This kit primarily detects Aroclors 1254,1260 and 1262, reacts well with Aroclors 1242,1248 and 1268, reacts moderately with Aroclors 1232 and 1016 and shows little reactivity with Aroclor 1221.

A positive test result may be due to the presence of PCBs. cross reactants or mixtures of these compounds. For best results, pre-characterize the site by analyzing a small number of representative samples using a traditional analytical method. Compare the pre-characterization results to the "Specificity" Table on page 6. If the PCB contamination consists primarily of PCBs with low reactivity, then the test will slightly underestimate the PCB concentrations. If the PCB contamination consist primarily of PCBs with high reactivity, the test will accurately define the PCB concentrations.

PCBs are extracted from different surfaces at different efficiencies. To evaluate the contamination level on a surface more accurately, the D TECH PCB Wipe Test has been designed to accommodate 2 general surface types. The "Surface A" column on the color card and DTECHTOR table is to be used when interpreting test results from non-porous surfaces such as smooth metal or glazed tile like surfaces. When testing painted surfaces, rusted metals or concrete like surfaces use the "Surface B" column to interpret your test results.

Sample heterogeneity, sampling technique, extraction efficiency and soil/wipe matrix effects all contribute to the variability in the D TECH PCB test. To obtain a 96% level of confidence in the results, the user must allow an interval of +/-20% of the indicated concentration. If you have any questions about the 96% confidence level around an action concentration, please call our technical service hotline at 1-800-222-0342 for assistance.

RELIABILITY

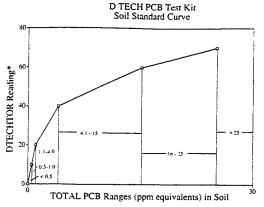
Studies have shown the D TECH PCB Test Kit to yield less than 1% false negatives and less than 10 % false positives in soils and less than 1 % false negatives and less than 8 % false positives in wipes throughout the working range of the kit.

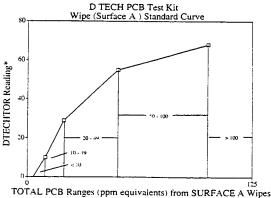
SENSITIVITY:

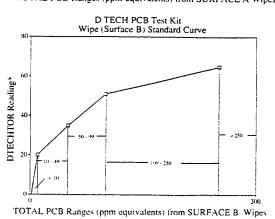
The D TECH PCB Test Kit can be used to measure PCB in the following ranges:

Sample	the DTECHTOR	Color Card
Soil (ppm)	0.5 - 25	1 - 25
Wipe (µg per 100 cm	1^2) 10 - 250	10 - 250

The Minimum Detection Limit (MDL) of the PCB test is 0.5 ppm in soil and 10 µg per 100 cm² in a wipe. A 96% confidence level occurs at 1.0 ppm in soil, 15 ug per 100 cm² in Surface A wipes and Surface B wipes.







PERFORMANCE CHARACTERISTICS

SPECIFICITY

The D TECH PCB Test Kit has been tested for cross reactivity with structurally similar compounds and other priority pollutants. The table below summarizes the cross reactivity of these compounds using the DTECHTOR. A positive test result may be due to the presence of PCB, cross reactants or mixtures of these compounds. Samples testing positive for PCB should be characterized by approved methods. The D TECH PCB Test Kit has been designed to minimize the effect of environmental interferences.

Compound	MDL ^a Soil	MDL ^a Surf A		% Crossb reactivity
	3011	Suit A	Sull D	icactivity
1 1016		100	51	12
Aroclor 1016	5.7	102	51	
Aroclor 1221	25	450	225	3
Aroclor 1232	9.0	164	82	10
Aroclor 1242	1.5	27	14	32
Aroclor 1248	0.8	14	7.2	42
Aroclor 1254	0.5	9	4.5	100
Aroclor 1260	0.5	9	4.5	100
Aroclor 1262	0.5	9	4.5	100
Aroclor 1268	3.8	69	34	25
Bifenox	25	452	224	3
Halowax 1000	1000	18100	8950	< 1
Halowax 1099	250	4525	2230	< 1
1-chloroanthracene	c	С	c	< 0.05
2-chloroanthracene	c	С	С	< 0.05
9-chloroanthracene	С	С	c	< 0.05
1-chioronaphthalene	С	С	С	< 0.05
9.10-dichloroanthracene	e c	С	С	< 0.05
1.2-dichlorobenzene	С	С	С	< 0.05
1,3-dichlorobenzene	С	С	С	< 0.05
1,4-dichlorobenzene	c	С	С	< 0.05
1,2,3-trichlorobenzene	С	С	С	< 0.05
1,2,4-trichlorobenzene	С	С	С	< 0.05
1.2.5-trichlorobenzene	С	С	С	< 0.05
1.2,4.5-tetrachlorobenze	e c	С	c	< 0.05
Pentachlorophenol	С	С	С	< 0.05
DDT	С	С	c	< 0.05
2.4-dichlorophenyl-				
benzenesulfonate	С	c	С	< 0.05

- The Minimum Detection Limit (MDL) is defined as the lowest concentration of compound that yields a positive test result. Soil concentrations = ppm, wipe concentrations = ug/100 cm²
- b The % cross-reactivity is determined by dividing the equivalent Aroclor 1254 concentration by the actual compound concentration at IC_{s0}.
- Could not be detected by the D TECH test at 1000 ppm in soil or 10,000 µg/100 cm² in wipes.

INTERFERING SUBSTANCES

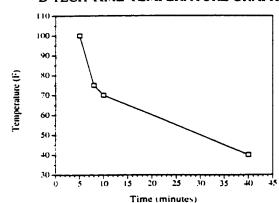
The D TECH PCB Test Kit has been tested for results interference by other priority pollutants. A negative interference (none) indicates the target compound spiked into a PCB sample at the indicated concentration, did not affect the PCB result. The table below summarizes the data.

	6 Cross	Interference
500 ppm PAH	< 0.1%	none
500 ppm BTEX	< 0.1%	none
500 ppm PCP	< 0.05%	none
500 ppm Bifenox	3 %	higher result
500 ppm Oil (mineral)	< 0.05%	none
>2000 ppm Oil (mineral)	< 0.05%	lower result

TIME-TEMPERATURE RELATIONSHIP

All enzyme immunoassays are temperature dependent. At cooler temperatures, the color development step of the D TECH PCB test will take longer than 10 minutes. A time-temperature graph has been provided to illustrate this point. This graph should not be used to determine the time to run a test at a given temperature, but rather as a guide to estimate the time necessary to complete the development step. All tests should be run until the color produced by the reference matches the reference bar on the color card.

D TECH TIME-TEMPERATURE GRAPH



TEST VARIATION

The PCB Test Coefficient of Variation (CV), also known as the Relative Standard Deviation (RSD), has been evaluated at various concentrations. The data indicate the average test RSD, based on concentration, is 10%

TESTING HIGHER PUB CONCENTRATIONS

For further information, please call our technical service hotline 1-800-222-0342



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QUALITY CONTROL

- 1. Read the test instructions completely before use to assure familiarity with the test procedure.
- 2. Monitor the storage conditions of the tests. Expiration dates are dependent on storage temperature.
- 3. To insure test reproducibility, investigators should confirm that all samples analyzed are homogeneous and representative of the site of interest.
- 4. A reference must be run with each test. The reference serves as a positive control to ensure the performance of the test and to verify that test procedures were properly followed.
- 5. Prior to analysis, the user should incorporate a quality assurance and quality control plan into the field testing procedure. We recommend adherence to USEPA data quality guidelines and suggest including the following steps in your QA/QC plan:
 - a. Record the operator's name, the date, time of collection and location of each sample.
 - b. Record any raw data, calculations and final results for each sample.
 - c. Document matrix and background effects by testing an uncontaminated sample taken on site.
 - d. Run a duplicate analysis on one of every 20 samples.
 - e. Confirm field sample analyses by submitting at least 10% of the samples for quantitation by an EPA approved method that is different from the field method. Representative samples should include 3 samples above and 2 samples below the minimum detection limit of the field assay.
- 6. Additional options:
 - a. Use performance evaluation standards daily for assay validation.
 - b. Document the method blank by completing the assay without introducing sample.
 - c. Perform a field analysis on a matrix spike to document any matrix effect on the analyte measured.

HEALTH/SAFETY

Material Safety Data Sheets (MSDS) have been supplied with the purchase of this product. The MSDS should be read before using this test. During the execution of the test, any excess PCB is absorbed into the Cup Assembly absorbent plug. It is not retained on the surface of the Cup Assembly.

PROTECT EYES WITH SAFETY GLASSES AND PROTECT SKIN WITH PROTECTIVE GLOVES.

Associated Hazards:

May be irritating to skin, eyes and mucous membranes.

Symptoms of Exposure:

May be irritating on contact with skin, eyes and mucous membranes.

First Aid Measures:

GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE

Skin:

Wash thoroughly with soap and water

Eves:

Immediately flush with water for at least 15 minutes.

Inhalation:

Remove to fresh air. Give artificial respiration if breathing has stopped.

Ingestion:

Get immediate medical attention. If conscious, give water freely.



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The D TECH® Field Test Products available from EM Science include:

D TECH Product	Item Number
TNT Test Kit RDX Test Kit TNT/RDX Soil Extraction Pac	TK-1004-1 TK-1005-1 TK-1001S-1
PCB in Soil Test Kit PCB Wipe Test Kit	TK-1002-1 TK-1002W-1
BTEX Test Kit BTEX Soil Extraction Pac	TK-1003-1 TK-1003S-1
PAH Test Kit PAH Soil Extraction Pac	TK-1006-1 TK-1006S-1
"NEW" BTEX Test Kit (Available February 1995)	TK-1008-1
TCE Test Kit (Available June 1995)	TK-1007-1
TCE Soil Extraction Pac (Available June 1995)	TK-1007S-1
PCP Test Kit (Available September 1995)	TK-1009-1
PCP Soil Extraction Pac (Available September 1995)	TK-1009S-1
ACCESSORIES	
DTECHTOR Meter	TK-1001M-1
Field Carry Bag	TK-1000-1

All D TECH Test Kits are manufactured at Strategic Diagnostics Incorporated's GMP facility. All products are thoroughly quality controlled to consistently meet the published specifications.

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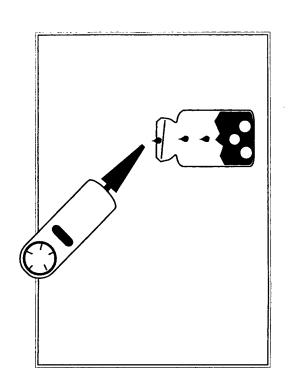
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Lit. No. TS050, 1/96

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EnviroGard Soil Extraction Bottle

Introduction

This document describes how to use the EnviroGard Soil Extraction Bottle Kit. It contains details on:

- Purpose of the kit
- Parts in the kit and materials you need to supply
- Extraction procedures
- Product ordering information

What is the EnviroGard Soil Extraction Bottle Kit?

The EnviroGardTM Soil Extraction Bottle Kit enables you to extract pesticides and industrial contaminants from soil. This kit contains enough material for 14 soil samples. Once you extract the soil, you can test it using one of the EnviroGard in Soil Test Kits. Call your local Millipore office for details.

Parts of the Kit

This kit includes the following items:

Part	Diagram
18 Weigh boats	
18 Wooden spatulas	
14 Soil extraction bottles (each containing three mixing beads) with caps	
1 Syringe, 20 cubic centimeters (cc) with coupler	₽ \$
1 Syringe coupler	Ť
14 Millex®-HV ₁₃ filter units	d D
14 Filter caps	
14 Glass storage vials with caps, 4 milliliters (mL)	
14 Stoppers	-
14 Blank labels	00

NOTE. The syringe coupler, Millex [®]-HV₁₃ filter units, storage vial caps, and stoppers are packaged under the weigh boat compartment.

EnviroGard Soil Extraction Bottle Kit

Materials You Supply

You need to supply:

- Methanol or other extraction solvent (type and amount depends on the EnviroGard test kit you plan to use)
- Portable balance
- Pen or marker
- Timer
- Repeater[®] pipette with 50 mL pipette tips (included with the EnviroGard Soil Field Lab [ENVR L00 09])
- Soil extraction bottle rack (included with the EnviroGard Soil Field Lab)

NOTE: The bottle rack is optional. Use it to extract up to six soil samples simultaneously.

Soil Preparation and Extraction Procedures

The following sections describe how to:

- Prepare the soil sample
- Extract the sample from the soil
- Filter the sample by squeezing the bottle or by using a syringe to pressurize the bottle.

Prepare the Soil Sample

Step	Action
-	Collect a soil sample. Then organize these items at a work area:
	■ Weigh boat
	■ Wooden spatula
	■ Portable balance
	Soil extraction bottle with cap
	■ Pen or marker
8	Place the weigh boat on the balance and press ONMEMORY. Then weigh out 5.0 grams (g) of soil into the weigh boat using the wooden spatula.
	NOTE: The amount of soil you use may vary, depending on the assay. Refer to your EnviroGard test kit instructions.
6 0	Uncap the soil extraction bottle and label it appropriately. Then fold the weigh boat into the mouth of the bottle and pour in your sample. Discard the boat and spatula appropriately. Repeat steps 1–3 for each sample you want to test. See the next section for steps to extract the sample.
	()

EnviroGard Soil Extraction Bottle Kit

Extract the Sample

	Control of the contro	
Step		Action
-	Place these items at your work area:	c area:
	Repeater pipette with a 50 mL tip	mL tip
	Methanol or other extracti	Methanol or other extraction solvent (See your test kit instructions.)
	■ Timer	
7	Attach the 50 mL tip to the Re to 5 mL.) If you have the TNT	Attach the 50 mL tip to the Repeater pipette and set the dial to 5. (This is equivalent to 5 mL.) If you have the TNT in Soil kit, set the pipette to 4 instead of 5.
æ	Uncap each soil extraction be to each bottle. The amount of the EnviroGard test kit you us	Uncap each soil extraction bottle (if necessary). Add methanol or extraction solvent to each bottle. The amount of methanol or extraction solvent you add depends on the EnviroGard test kit you use. Refer to this chart for details:
	If You Use This Kit	Use This Amount of Methanol (or Solvent)
	PCB, TPH, BTEX, PAH, PCP*, 2.4-D*, or DDT in Soil	5 mL for a 5 g soil sample
	Toxaphene or Chlordane in Soil	10 mL of 90% methanol in water—deliver to extraction bottle twice to add the 10 mL to a 5 g soil sample

PCB, TPH, BTEX, PAH, PCP*, 2,4-D*, or DDT in Soil	5 mL for a 5 g soil sample
Toxaphene or Chlordane in Soil	10 mL of 90% methanol in water—deliver to extraction bottle twice to add the 10 mL to a 5 g soil sample
TNT in Soil	8 mL—deliver to extraction bottle twice to add the 8 mL to a 2 g soil sample
* Use extraction solvent instex	* Use extraction solvent instead of methanol; see kit instructions for details.
CAUTION: If you have clay extraction solve the methanol or	CAUTION: If you have clay samples, add an additional 5.0 mL of methanol or extraction solvent to each sample. Otherwise, the samples soak up all of the methanol or extraction solvent, leaving little or no excess liquid to

decart. When interpreting results, factor the dilution into the calculations. For example, you will need to multiply each of the calibrator concentrations by the ratio of methanol or extraction solvent (in ml.) to soil (in g). See your test kit instructions for details. Screw the cap back onto the extraction bottle; tighten it to prevent leaks. Set the timer for two minutes and agitate the bottle for that length of time. See the next section for details on filtering the sample.

This section describes how to filter the sample in two ways. For example, you can:

Squeeze the bottle

Z.

Use a syringe to pressurize the bottle

See the steps you want to use.

Filter the Sample by Squeezing the Bottle

Step	Action
1	Place these items at your work area:
	■ Filter cap
	 Millex-HV₁₃ filter unit
	■ Glass storage vial and cap
2	Remove and discard the extraction bottle cap. Then tightly screw a filter cap on the bottle. Attach a Millex-HV ₁₃ filter unit to the filter cap.
rc.	Invert the extraction bottle. Insert the filter outlet into the mouth of the glass storage vial. Hold the vial steady and squeeze the bottle until you filter the necessary amount of soil extract.
	NOTE: The amount you need depends on the EnviroGard test kit you use. Refer to your kit instructions.
4	Remove the extraction bottle from the vial and discard appropriately. Cap the glass storage vial for testing at a later date, or begin testing the extract with the appropriate EnviroGard test kit. See your test kit instructions for details.

EnviroGard Soil Extraction Bottle Kit

Filter the Sample by Pressurizing the Bottle

Cton	Action
1	Place these items at your work area before you filter your sample(s):
	■ Filter caps
	■ Millex-HV ₁₃ filter unit
	Syringe, 20 cc with coupler
	■ Glass storage vial with cap
	■ Stopper
	Soil extraction bottle rack, six-place (optional)
2	Remove and discard the extraction bottle cap. Then tightly screw a filter cap on the bottle. Attach the Millex-HV ₁₃ filter unit to the filter cap.
80	Draw air into the syringe by pulling the plunger to the 20 mL mark. Then twist the syringe assembly firmly onto the open end of the filter unit.

Continued

Filter the Sample by Pressurizing the Bottle, Continued

Step		٠	\$
H 44	Push down the plunger. This creates enough pressure in the soil extraction bottle to drive the soil extract through the filter.		
	Hold the Millex-HV ₁₃ filter unit and twist off the syringe coupler to remove the syringe assembly. Immediately invert the pressurized extraction bottle and insert the filter outlet into the mouth of the glass storage vial.		
			E E
	★		L
			ন ই
•	CAUTION: Hold the assembly or place it in a rack to prevent tipping. If you use a rack, do not leave the assembly unattended; the soil extract may coverflow and consumers used.	•	<u>च</u> 8

EnviroGard Soil Extraction Bottle Kit

Filher the Sample by Pressurizing the Bottle, Continued

Step	Action
•	Wait until you filter the necessary amount of soil extract into the vial. (The amount you need depends on the EnviroGard test kit you use. Refer to your kit instructions for specific quantities.) Remove the bottle from the vial. Put a stopper onto the filter outlet to stop the flow. Then discard the extraction bottle appropriately.
7	Cap the glass storage vial for testing at a later date, or begin testing the extract with the appropriate EnviroGard test kit. See your test kit instructions for details.

Product Ordering Information

The following chart lists the catalogue numbers for the EnviroGard Soil Extraction Bottle Kit and related products.

Description	Catalogue Number
EnviroGard Soil Extraction Bottle Kit, 14/pk ENSP 000 30	ENSP 000 30
Methanol, 100 mL	ELCR 000 07
EnviroGard Soil Field Lab	ENVR L00 09
Soil Extraction Bottle Rack, six-place	ENVR SP0 30
Soil Extraction Bulk Kit (100/pk)	ENVR 100 30

Continued

Technical Assistance

Call the office in your country to order parts or additional product information or to contact Technical Service

NOTE: To receive the our laboratory products catalogue (Millipore Direct), call your local Millipore office. Or, look us up on the Internet (http://www.millipore.com).

Millipore Offices

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FINLAND	Tel. (90) 804 \$1 10		PRANCE	Tel. (1) 30.12 70 00		GERMANY	Tel. (06196) 4910		HUNGARY	Tel. (1) 166 86 74/(1) 185 1122		INDIA	Tel. (91) 80 8394657/ 396320		ITALY	Milano:	Tel. (02) 250781	Roma:	Tel. (06) 5203600		JAPAN	Tel. (03) 3474-9113		KOREA	Tel. (82-2) 5548305		MALAYSIA	Tel. (60) 3-7571322		MEXICO	Tel (\$25) 576-90-88		THE NETHERLANDS	Tel. (07650) 22000	
AUSTRALIA	A+C+N+	001 2 39 8 18	(008) 222-111	In Sydney Area.	(02) 424-7333		AUSTRIA, CENTRAL EUROPE, C.I.S., AFRICA,	MIDDLE EAST and GULF	Tel. (43) 1 877 8926		BELGIUM AND LUXEMBOURG	Tel. (02) 726 8840		BRAZIL	Tel. (011) 548-7011		CANADA	Analytical Division:	1 (800) 645-5476	BioProcess Division:	Tel. (416) 675-1598		CHINA, PEOPLE'S REPUBLIC OF	Betjing:	Tel. (861) 5008063	Hong Nong.	Tel. (852) 2803-9111	Shanghai:	Tel. (8621) 37372%		CZECH REPUBLIC	Tel. (2) 35 23 75		DENMARK	Tel. 46 59 0023

EnviroGard Soil Extraction Bottle Kit

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MILLIPORE

EnviroGard[™] Chlordane in Soil Test Kit ENVR 000 40

Intended Use

The EnviroGard Chlordane in Soil Test Kit is a semiquantitative field test for the detection of Chlordane in soil. The EnviroGard Chlordane in Soil Test Kit allows reliable and rapid screening for chlordane at 20, 100, and 600 parts per billion (ppb) in soil.

Test Principles

The EnviroGard Chlordane in Soil Test Kit is based on the use of polyclonal antibodies that bind either Chlordane or Chlordane-Enzyme Conjugate. These antibodies are immobilized to the walls of the test tubes. When Chlordane is present in the sample, it competes with the Chlordane-Enzyme Conjugate for a limited number of antibody binding sites.

- A sample containing Chlordane is added to a test tube containing Assay Diluent. Chlordane-Enzyme Conjugate is then added to the test tube. The Chlordane-Enzyme Conjugate competes with the Chlordane for the antibody binding sites.
- After the incubation, the unbound molecules are washed away.
- A clear solution of chromogenic Substrate is then added to the test tube. In the presence of bound Chlordane-Enzyme Conjugate, the clear Substrate is converted to a blue color. One enzyme molecule can convert many Substrate molecules.

Since there are the same number of antibody binding sites on every test tube and each test tube receives the same number of Chlordane-Enzyme Conjugate molecules, a sample that contains a low concentration of Chlordane allows the antibody to bind many Chlordane-Enzyme Conjugate molecules. The result is a dark blue solution.

Conversely, a high concentration of Chlordane allows fewer Chlordane-Enzyme Conjugate molecules to be bound by the antibodies, resulting in a lighter blue solution.

Note: Color is inversely proportional to Chlordane concentration.

Darker color = Lower concentration Lighter color = Higher concentration

Performance Characteristics

The EnviroGard Chlordane in Soil Test Kit will not differentiate between Chlordane and other structurally similar compounds, but will detect their presence to differing degrees. The following table shows a number of compounds and the approximate concentration of each required to yield a positive result (Lower Limit of Detection or LLD). It also shows the concentration required to inhibit one-half of the color developed by the Negative Control (IC50). Concentration is in parts per million (ppm), or parts per billion (ppb) in soil.

		T
Compound	ITD	IC50
Cniordane	14 ppo	100 ppb
Endrin	6 ppb	22 ppb
Endosulfan I	6 ppb	36 ppb
Endosulfan II	6 ppb	28 ppb
Dieldrin	6 ppb	42 ppb
Heptachlor	6 ppb	34 ppb
Aldrin	20 ppb	116 ppb
Toxaphene	0.2 ppm	2.8 ppm
Gamma-BHC *	0.6 ppm	4.6 ppm
Alpha- BHC	2 ppm	19 ppm
Delta-BHC	2 ppm	40 ppm

^{*}Gamma-BHC is Lindane

Precautions

- Treat Chlordane, solutions that contain Chlordane and potentially contaminated soil samples as hazardous materials.
- Where appropriate, use gloves, proper protective clothing, and methods to contain and handle hazardous material.

- Store all test kit components at 4°C to 8°C (39°F to 46°F) when not in use.
- Do not freeze test kit components or expose them to temperatures greater than 37°C (99°F).
- Allow all reagents to reach ambient temperature (18°C to 27°C or 64°F to 81°F) before beginning the test.
- Do not use test kit components after the expiration date.
- Do not use reagents or test tubes from one test kit with reagents or test tubes from a different test kit.
- Use approved methodologies to confirm any positive results.
- Do not dilute or adulterate test reagents or use samples not called for in the test procedure; this may give inaccurate results.
- Tightly recap the Chlordane calibrator vials to prevent evaporative loss.
- Distribution of Chiordane in soils may be highly variable. The use of a composite sampling technique may be appropriate. Development of a sampling plan that assures adequate sample number and distribution is the responsibility of the analyst.

Materials Provided

EnviroGard Chlordane in Soil Test Kit

This test kit contains the following items:

20 Antibody-Coated Test Tubes

- 1 vial of Assay Diluent
- 1 vial of Negative Control (methanol)
- 1 vial of 20 ppb Chlordane Calibrator in methanol (actual concentration is 10 ppb)
- vial of 100 ppb Chlordane Calibrator in methanol (actual concentration is 50 ppb)
- vial of 600 ppb Chlordane Calibrator in methanol (actual concentration is 300 ppb)
- 1 vial of Chlordane-Enzyme Conjugate
- 1 vial of Substrate
- 1 vial of Stop Solution
- 1 20-place Test Tube Rack

22 Pipette Tips, pink (for the Gilson M-25 Microman[®] Positive Displacement Pipettor)

NOTE: To determine the chlordane concentration in soil, a dilution factor of 2 has been calculated in. This factor of 2 is derived from extraction of the 5 grams of soil with 10 mL of solvent.

Materials Required and Ordered Separately

See "Ordering Information" for the appropriate catalogue numbers.

EnviroGard Soil Extraction Bottle Kit

Use this kit for the extraction of Chlordane in soil samples. This kit contains enough devices to process 14 samples:

- 14 30 milliliter (mL) LDPE Bottles with screw caps (each bottle contains stainless steel mixing beads)
- 14 filtration caps
- 14 Millex® HV₁₃ filters
- 18 Wooden Spatulas
- 1 Syringe with coupler
- 1 Syringe coupler
- 14 Screw Top Glass Vials, 4.0 mL
- 14 Stoppers
- 18 Weigh Boats

Methanol

ACS reagent grade Methanol is required for soil extraction, but is not included in the EnviroGard Soil Extraction Bottle Kit. You must order it separately. (See "Ordering Information.")

Prepare a 90% Methanol extraction solvent by mixing 180 ml of Methanol with 20 ml of laboratory grade water and mix thoroughly before use.

Materials Required but Not Provided

You will also need several other items, some of which are included in the EnviroGard Soil Field Lab.

(See "Ordering Information" for the appropriate catalogue number).

- Gilson M-25 Microman Positive Displacement Pipettor
- EppendorfTM Repeater[®] Pipettor and five Combitips[®] (3 x 12.5 mL, 1 x 5.0 mL, and 1 x 50 mL)
- Balance capable of accurately weighing 5 grams
- Millipore Differential Photometer or Enviro-Quant Photometer
- Indelible marker for labeling test tubes
- Watch or timer
- Clean running water or a wash bottle containing tap or deionized water (500 mL)
- Calculator (optional)

Suggestions for Pipettor Use

- Practice using both pipettors (positive displacement and Repeater pipettor) with water and extra tips before you analyze your samples.
- Use a new tip each time you use the Repeater pipettor to avoid reagent cross-contamination.
 Label three 12.5 mL tips "Diluent", "Substrate" and "Stop," and one 5.0 mL tip "Conjugate".
- Draw the desired reagent volume into the Repeater pipettor and dispense one portion of the reagent back into the container to properly engage the ratchet mechanism. If you do not do this, the first volume delivered may be inaccurate.
- To add reagents using the Repeater pipettor, pipette down the side of the test tube just below the rim.
- To add samples and calibrators using the positive displacement pipettor, pipette down the side of the test tube just above the liquid level.
- The carryover volume of the positive displacement tips is minimal, but may affect results if you are going from a high to low Chlordane concentration. Use a new pipettor tip each time you pipette a new unknown.

Assay Procedure

Collect/Store the Sample

- 1. Collect soil in appropriately-sized and labeled containers.
- Take care to remove excess twigs, organic matter and rocks or pebbles from the sample. For best results, wet soils should be air-dried overnight and thoroughly mixed before testing.
- 3. Store soil samples at 4°C (39°F).

Prepare the Sample/Extract the Soil

- 1. Please follow the instructions from the EnviroGard Soil Extraction Bottle Kit to prepare the soil extract before the assay.
- 2. 10 ml of 90% Methanol in water will be used to extract chlordane residue from a 5 gram soil sample. As per instructions, attach a 50 mL Combitip to the Repeater pipettor and set the dial to 5. Deliver twice to add 10 mL of 90% methanol to the extraction vial, and cap tightly.

Perform the Test

NOTE: Allow all reagents and sample extracts to reach room temperature (approximately 60 minutes) before you begin the test.

Remove the test tubes from the plastic bag and label them as follows*:

Tube Label	Tube Contents
NC	Negative Control
C1	20 ppb Calibrator
C2	100 ppb Calibrator
C3	600 ppb Calibrator
S1	sample 1
S2	sample 2
etc.	-

*You are not required to perform the assay in duplicate; however, doing so will increase the precision.

1. Place the test tubes in the test tube rack. Push down on each tube so that it is held firmly and does not fall out of the rack when shaken.

CAUTION: Do not "snap" the test tubes into the rack as this may result in a cracked tube.

- Attach the 12.5 mL Combitip labeled "Diluent" to the Repeater pipettor and adjust the dial to 1. Add 250 microliters (μL) of Assay Diluent to each test tube.
- 3. Attach a clean pink pipette tip to the Microman pipettor and adjust the dial to "050". Add 50 µL of each calibrator (including negative control) to the corresponding test tube by placing the end of the pipette tip against the side of the tube (just above the level of the Assay Diluent) and dispensing the volume. Use a clean pipette tip each time.

CAUTION: Replace the caps on the calibrator vials immediately after use to minimize evaporation.

- 4. Using a clean tip for each sample, add $50 \, \mu L$ of each sample extract to the appropriately-labeled test tube.
- 5. Let test tubes incubate for 15 minutes.
- Attach the 5.0 mL Combitip labeled "Conjugate" to the Repeater pipettor and adjust the dial to 2. Add 200 μL of Chlordane-Enzyme Conjugate to each test tube.

Shake the test tube rack to mix for 10 to 15 seconds. Leave the test tubes undisturbed for 5 minutes.

7. Vigorously shake out the test tube contents into a sink or suitable container. Fill the test tubes to **overflowing** with cool tap or distilled water, then decant and vigorously shake out the remaining water.

Repeat this wash step three more times, being certain to shake out as much water as possible on each wash. After the final wash, remove as much water as possible by tapping the inverted tubes on absorbant paper.

Attach the 12.5 mL Combitip labeled "Substrate" to the Repeater pipettor and set the dial to 2.
 Add 500 μL of Substrate to each test tube. Leave the test tubes undisturbed for 3 minutes.

NOTE: If a blue color does not develop in the Negative Control test tube within 3 minutes after adding the Substrate, the test is invalid and you must repeat it.

Interpret the Results

You can either interpret the results visually within 3 minutes after adding the Substrate to each test tube, or you can perform a more precise analysis with a photometer after you add the Stop Solution.

Visual Interpretation

After you add the Substrate, wait 3 minutes then mix the test tubes by shaking them for a few seconds until they are a uniform blue color. Compare the sample test tube to the calibrator test tubes against a white background. The test tube rack in the kit is well-suited for this purpose.

- If a sample test tube contains *more* color than the calibrator test tube, the sample contains Chlordane at a concentration *lower* than the calibrator.
- If a sample test tube contains *less* color than the calibrator test tube, the sample may contain Chlordane at a concentration *greater* than the calibrator.
- If the sample test tube contains color that is between the calibrator test tubes, the sample contains Chlordane at a concentration between the calibrator concentrations.
- If a sample test tube contains approximately the same amount of color as the calibrator test tube, the sample contains Chlordane at a concentration approximately equal to the calibrator.
- If the sample test tube contains less color than the 600 ppb Calibrator test tube, you may dilute a fraction of the soil extract in 90% methanol (for example, 1:10) and perform the assay again. To determine the concentration of the diluted extract multiply the result by the dilution factor. (Go to "Semi-Quantitative Interpretation" for further details.)

Photometric Interpretation

After you add the Substrate, wait 3 minutes then add the Stop Solution to each test tube.

WARNING: Stop solution is 1N Hydrochloric acid. Handle carefully.

Attach the 12.5 mL Combitip labeled "Stop" to the Repeater pipettor and set the dial to 2. Add 500 μ L of Stop Solution to each test tube. This converts the blue color in the test tubes to yellow.

NOTE: After you add Stop Solution to the test tubes, results should be read within 30 minutes.

Millipore Differential Photometer

- 1. Place a water blank test tube containing 1.5 mL of Milli-RO® or Milli-Q® water, or equivalent in the left (reference) well.
- 2. Place the Negative Control test tube into the right (sample) well. Record the optical density (OD) of the Negative Control.
- Remove the Negative Control test tube and replace it with the 20 ppb Calibrator test tube to reactivate the photometer. Record the result. Repeat this step to determine the OD for each of the remaining calibrators and for each sample.

Semi-quantitative Interpretation

Compare the OD of each sample to the OD of each calibrator:

- If a sample OD is equal to the OD of a calibrator, the sample contains Chlordane at a concentration approximately equal to the calibrator.
- If a sample OD is greater than a calibrator OD, the sample contains less Chlordane than the calibrator.
- If a sample OD is *lower* than a calibrator OD, the sample may contain *more* Chlordane than that calibrator.
- If an assay result indicates that a soil sample contains greater than 600 ppb Chlordane, but you need more specific information, the soil extract may be diluted 1:10 in 90% methanol, and assayed again. You must then multiply the results of the re-assay by 10 to determine the approximate sample extract concentration.

NOTE: If you know in advance that the "action level" of interest is greater than 1 ppm Chlordane in soil, the assay may be modified to pinpoint that particular concentration.

Example Data

Actual OD values will vary. This data is for demonstration purposes only.

	-	
Tube	OD	Interpretation
NC	0.90	
C1 (20 ppb)	0.65	
C2 (100 ppb)	0.49	
C3 (600 ppb)	0.35	
S1	0.58	>20 ppb < 100 ppb
S2	0.16	> 600 ppb .

NOTE: The EnviroQuant Photometer is also available from Millipore. This dual wavelength instrument measures the OD at 450 nanometers (nm) minus 600 nm of all samples and calibrators, and provides a printout of results. See "Ordering Information" for the appropriate catalogue number.

Limitations of the Procedure

Soil sampling error may significantly affect testing reliability. The distribution of pesticides in different soils can be extremely heterogeneous. Soils should be dried and homogenized before analysis by any method. Split samples (i.e. for GC and immunoassay) should always derive from the same homogenate.

Ordering Information

The following table lists descriptions and catalogue numbers for the EnviroGard Chlordane in Soil Test Kit, Soil Extraction Bottle Kit, and related products.

Description	Catalogue Number
EnviroGard Chlordane in Soil Test Kit	ENVR 000 40
EnviroGard Soil Extraction Bottle Kit	ENSP 000 30
Methanol for soil extraction, 100 mL bottle	ELCR 000 07
Millipore Differential Photometer: 115 volt (V), or 230 V	ENVR 000 00 ENVR 002 30
EnviroQuant Photometer, 110V, or EnviroQuant Photometer, 220V EnviroQuant Replacement Paper, 12 rolls	ENVR T11 00 ENVR T22 00 ENVR T11 02
 EnviroGard Replacement Pipettor Tips (available separately): Positive displacement pipettor tips, 50-250 µL range 200/pk (not preassembled) Repeater pipettor tips, 5.0 mL, 100/pk Repeater pipettor tips, 12.5 mL, 100/pk Repeater pipettor tips, 50 mL, 10/pk 	ENVR L07 09 ENVR L01 09 ENVR L02 09 ENVR L03 09
EnviroGard Soil Field Lab includes: 1 Portable balance with 100 gram calibrator weight 1 Eppendorf Repeater pipettor 3 5.0 mL Pipette tips for the Repeater pipettor, for 0.1 mL through 0.5 mL dispensing volumes 6 12.5 mL Pipette tips for the Repeater pipettor, for 0.25 mL through 1.250 mL dispensing volumes 1 50 mL Pipette tip for the Repeater pipettor, for 1.0 mL through 5.0 mL dispensing volumes 1 Positive displacement precision pipettor, adjustable (2-250 µL) 1 Electronic timer 6 Polystyrene test tubes, 12 mm X 75 mm (for blanking the spectrophotometer and dilutions) 4 Test tube racks, six-position 1 Wash bottle, 500 mL 1 125 mL large mouth bottle 2 Work stations 1 Soil extraction rack	
Contact Millipore Technical Service for kit component replacement or reordering information. (See the "Technical Assistance" section for the number of the Millipore office nearest you.)	

Technical Assistance

To Place an Order or Receive Technical Assistance, call the nearest number listed below:

IN THE U.S. AND CANADA

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Toll Free 1-800-645-5476 In Toronto Area: 416-678-2161

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Beijing: (86) 1-5008063 Guangzhou: (86) 20-686217 Shanghai: (86) 21-3737256

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Norway

472- 267-82-53

Poland

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(617) 275-9200

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Safety

To receive complete safety information on this product, contact the nearest Millipore office and request Material Safety Data Sheet documents P70002, P34782, P34207 and P34210.

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P35413, Rev - 9/8/95

MILLIPORE EnviroGard[™] DDT in Soil Test Kit ENVR 000 31

Intended Use

The EnviroGard DDT in Soil Test Kit is a qualitative or semi-quantitative field test for the detection of DDT and its metabolites DDD and DDE in soil. The EnviroGard DDT in Soil Test Kit allows rapid semi-quantitative screening for DDT at 0.2, 1.0, and 10.0 parts per million (ppm) in soils.

Test Principles

The EnviroGard DDT in Soil Test Kit is based on the use of polyclonal antibodies that bind either DDT or DDT-Enzyme Conjugate. These antibodies are immobilized to the walls of the test tubes. When DDT is present in the sample, it competes with the DDT-Enzyme Conjugate for a limited number of antibody binding sites.

- A sample containing DDT is added to a test tube containing Assay Diluent. DDT-Enzyme Conjugate is then added to the test tube. The DDT-Enzyme Conjugate competes with the DDT for the antibody binding sites.
- After the incubation, the unbound molecules are washed away.
- A clear solution of chromogenic Substrate is then added to the test tube. In the presence of bound DDT-Enzyme Conjugate, the clear Substrate is converted to a blue color. One enzyme molecule can convert many Substrate molecules.

Since there are the same number of antibody binding sites on every test tube and each test tube receives the same number of DDT-Enzyme Conjugate molecules, a sample that contains a low concentration of DDT allows the antibody to bind many DDT-Enzyme Conjugate molecules.

Therefore, a low concentration of DDT produces a dark blue solution. Conversely, a high concentration of DDT allows fewer DDT-Enzyme Conjugate molecules to be bound by the antibodies, resulting in a lighter blue solution.

NOTE: Color is inversely proportional to DDT concentration.

Darker color = Lower concentration Lighter color = Higher concentration

Performance Characteristics

The EnviroGard DDT in Soil Test Kit will not differentiate between DDT, its metabolites, and other structurally similar compounds, but will detect their presence to differing degrees. The following table shows a number of compounds and the approximate concentration of each required to yield a positive result (Lower Limit of Detection or LLD), and the concentration required to inhibit one-half of the color developed by the Negative Control (IC50). Concentration is in parts per million (ppm) in soil.

Compound	LLD	IC50
p,p'-DDT (kit	0.04	1.25
calibrator)		
p,p'-DDD	0.01	0.3
p,p'-DDE	0.18	3.6
o,p'-DDT	4	93
o,p'-DDD	0.4	11
o,p'-DDE	3	93
DDA	0.002	0.04
Chloropropylate	0.007	0.08
Chlorobenzilate	0.03	0.35
Dicofol	0.14	2
Tetradifon	1.2	14
Thiobencarb	5	52
Tebuconazole	7	95
Neburon	17	284
Chloroxuron	24	216
Monolinuron	25	714
Diclofop	70	>1000

The following compounds have lower limits of detection > 100 ppm:

2,4-D

4-chlorophenoxyacetic acid

Chlorbromuron Chlortoluron Diflubenzuron

Chlordane Dicamba Diuron

Lindane MCPA acid Linuron MCPB

Mecoprop

Precautions

- Treat DDT, solutions that contain DDT and potentially contaminated soil samples as hazardous materials.
- Where appropriate, use gloves, proper protective clothing, and methods to contain and handle hazardous material.
- Store all test kit components at 4°C to 8°C (39°F to 46°F) when not in use.
- Do not freeze test kit components or expose them to temperatures greater than 37°C (99°F).
- Allow all reagents to reach ambient temperature (18°C to 27°C or 64°F to 81°F) before beginning the test.
- Do not use test kit components after the expiration date.
- Do not use reagents or test tubes from one test kit with reagents or test tubes from a different test kit.
- Use approved methodologies to confirm any positive results.
- Do not dilute or adulterate test reagents or use samples not called for in the test procedure; this may give inaccurate results.
- Tightly recap the DDT calibrator vials to prevent evaporative loss.
- Distribution of DDT in soils may be highly variable. The use of a composite sampling technique may be appropriate. Development of a sampling plan that assures adequate sample number and distribution is the responsibility of the analyst.
- DDT is light sensitive. Store soil extracts at 2°C to 7°C, shielded from direct light.

Materials Provided

EnviroGard DDT in Soil Test Kit

This test kit contains the following items:

20 Antibody-Coated Test Tubes1 vial of Assay Diluent

- vial of Negative Control (methanol)
- 1 vial of 0.2 ppm DDT Calibrator in methanol
- 1 vial of 1.0 ppm DDT Calibrator in methanol
- 1 vial of 10.0 ppm DDT Calibrator in methanol
- 1 vial of DDT-Enzyme Conjugate
- 1 vial of Substrate
- 1 vial of Stop Solution
- 1 20-place Test Tube Rack
- 22 Pipette Tips, yellow (for the Gilson M-25 Microman® Positive Displacement Pipettor)

Materials Required and Ordered Separately

See "Ordering Information" for the appropriate catalogue numbers.

EnviroGard Soil Extraction Bottle Kit

Use this kit for the extraction of DDT in soil samples. This kit contains enough devices to process 14 samples:

- 14 30 milliliter (mL) LDPE Bottles with screw caps (each bottle contains stainless steel mixing beads)
- 14 filtration caps
- 14 Millex® HV13 filters
- 18 Wooden Spatulas
- 1 Syringe with coupler
- 1 Syringe coupler
- 14 Screw Top Glass Vials, 4.0 mL
- 14 Stoppers
- 18 Weigh Boats

Methanol

ACS reagent grade Methanol is required for soil extraction, but is not included in the EnviroGard Soil Extraction Kit. You must order it separately. (See "Ordering Information.")

Materials Required but Not Provided

You will also need several other items, some of which are included in the EnviroGard Soil Field Lab. (See "Ordering Information" for the appropriate catalogue number).

- Gilson M-25 Microman Positive Displacement Pipettor
- EppendorfTM Repeater[®] Pipettor and five Combitips[®] (3 x 12.5 mL, 1 x 5.0 mL, and 1 x 50 mL)
- Balance capable of accurately weighing 5 grams
- Millipore Differential Photometer or Enviro-Quant Photometer
- Indelible marker for labeling test tubes
- Watch or timer
- Clean running water or a wash bottle containing tap or deionized water (500 mL)
- Calculator (optional)

Suggestions for Pipettor Use

- Practice using both pipettors (positive displacement and Repeater pipettor) with water and extra tips before you analyze your samples.
- Use a new tip each time you use the Repeater pipettor to avoid reagent cross-contamination.
 Label three 12.5 mL tips "Diluent", "Substrate" and "Stop," and one 5.0 mL tip "Conjugate".
- Draw the desired reagent volume into the Repeater pipettor and dispense one portion of the reagent back into the container to properly engage the ratchet mechanism. If you do not do this, the first volume delivered may be inaccurate.
- To add reagents using the Repeater pipettor, pipette down the side of the test tube just below the rim.
- To add samples and calibrators using the positive displacement pipettor, pipette down the side of the test tube just above the liquid level.
- The carryover volume of the positive displacement tips is minimal, but may affect results if you are going from a high to low DDT concentration. Use a new pipettor tip each time you pipette a new unknown.

Assay Procedure

Collect/Store the Sample

- 1. Collect soil in appropriately-sized and labeled containers.
- Take care to remove excess twigs, organic matter and rocks or pebbles from the sample. For best results, wet soils should be air-dried overnight and thoroughly mixed before testing.

3. Store soil samples at 4°C (39°F).

Prepare the Sample/Extract the Soil

- 1. Please follow the instructions from the EnviroGard Soil Extraction Bottle Kit to prepare the soil extract before the assay.
- 2. 5 ml of Methanol will be used to extract DDT residue from a 5 gram soil sample. As per instructions, attach a 50 mL Combitip to the Repeater pipettor and set the dial to 5. Deliver once to add 5 mL of methanol to the extraction vial, and cap tightly.

Perform the Test

NOTE: Allow all reagents and sample extracts to reach room temperature before you begin the test. Do not analyze more than 20 test tubes at a time.

1. The choice of calibrators to use in the test will depend on the the selection of the analyst. The use of two calibrators may be appropriate if screening for a single level of DDT.

Remove the test tubes from the plastic bag and label them as follows:

Tube Label	Tube Contents
NC	Negative Control
C1	0.2 ppm Calibrator
C2	1.0 ppm Calibrator
C3	10.0 ppm Calibrator
S1	sample 1
S2	sample 2
etc.	•

* You are not required to perform the assay in duplicate; however, doing so will increase the precision.

Place the test tubes in the test tube rack. Push down on each tube so that it is held firmly and does not fall out of the rack when shaken.

CAUTION: Do not "snap" the test tubes into the rack as this may result in a cracked tube.

- Attach the 12.5 mL Combitip labeled "Diluent" to the Repeater pipettor and adjust the dial to 2.
 Add 500 microliters (μL) of Assay Diluent to each test tube.
- 3. Attach a clean pipette tip to the Microman pipettor and adjust the dial to "250". Add 25 µL of each calibrator (including Negative Control) to the corresponding test tube by placing the end

of the pipette tip against the side of the tube (just above the level of the Assay Diluent) and dispensing the volume. Use a clean pipette tip each time.

CAUTION: Replace the caps on the calibrator vials immediately after use to minimize evaporation.

- 4. Using a clean tip for each sample, add 25 μ L of each sample extract to the appropriately-labeled test tube.
- Attach the 5.0 mL Combitip labeled "Conjugate" to the Repeater pipettor and adjust the dial to 1. Add 100 μL of DDT-Enzyme Conjugate to each test tube.
- Shake the test tube rack to mix for 10 to 15 seconds. Leave the test tubes undisturbed for 15 minutes.
- 7. Vigorously shake out the test tube contents into a sink or suitable container. Fill the test tubes to overflowing with cool tap or distilled water, then decant and vigorously shake out the remaining water.

Repeat this wash step three more times, being certain to shake out as much water as possible on each wash. After the final wash, remove as much water as possible by tapping the inverted tubes on absorbant paper.

8. Attach the **12.5 mL** Combitip labeled "Substrate" to the Repeater pipettor and set the dial to **2**. Add 500 μL of Substrate to each test tube. Leave the test tubes undisturbed for 10 minutes

NOTE: If a blue color does not develop in the Negative Control test tube within 10 minutes after adding the Substrate, the test is invalid and you must repeat it.

Interpret the Results

You can either interpret the results visually within 10 minutes after adding the Substrate to each test tube, or you can perform a more precise analysis with a photometer after you add the Stop Solution.

Visual Interpretation

After you add the Substrate, wait 10 minutes then mix the test tubes by shaking them for a few seconds until they are a uniform blue color. Compare the sample test tube to the calibrator test tubes against a white background. The test tube rack in the kit is well-suited for this purpose.

NOTE: The word DDT in the interpretation instructions below refers to "total DDT", i.e. the sum of p,p'-DDT, p,p'-DDD, and p,p'-DDE.

- If a sample test tube contains *more* color than the calibrator test tube, the sample contains DDT at a concentration *lower* than the calibrator.
- If a sample test tube contains *less* color than the calibrator test tube, the sample may contain DDT at a concentration *greater* than the calibrator.
- If the sample test tube contains color that is between the calibrator test tubes, the sample contains DDT at a concentration between the calibrator concentrations.
- If a sample test tube contains approximately the same amount of color as the calibrator test tube, the sample contains DDT at a concentration approximately equal to the calibrator.
- If the sample test tube contains less color than the 10 ppm Calibrator test tube, you may dilute a fraction of the soil extract in methanol (for example, 1:100) and perform the assay again. To determine the concentration of the diluted extract multiply the result by the dilution factor. (Go to "Semi-Quantitative Interpretation" for further details.)

Photometric Interpretation

After you add the Substrate, wait 10 minutes then add the Stop Solution to each test tube.

WARNING: Stop solution is 1N Hydrochloric acid. Handle carefully.

Attach the 12.5 mL Combitip labeled "Stop" to the Repeater pipettor and set the dial to 2. Add 500 μ L of Stop Solution to each test tube. This converts the blue color in the test tubes to yellow.

NOTE: After you add Stop Solution to the test tubes, results should be read within 30 minutes.

Millipore Differential Photometer

- 1. Place a water blank test tube containing 1.5 mL of Milli-RO® or Milli-Q® water, or equivalent in the left (reference) well.
- 2. Place the Negative Control test tube into the right (sample) well. Record the optical density (OD) of the Negative Control.
- 3. Remove the Negative Control test tube and replace it with the 0.2 ppm Calibrator test tube

to reactivate the photometer. Record the result. Repeat this step to determine the OD for each of the remaining calibrators and for each sample.

Semi-quantitative Interpretation

Compare the OD of each sample to the OD of each calibrator:

NOTE: The word DDT in the interpretation instructions below refers to "total DDT", i.e. the sum of p,p'-DDT, p,p'-DDD, and p,p'-DDE.

- If a sample OD is equal to the OD of a calibrator, the sample contains DDT at a concentration approximately equal to the calibrator.
- If a sample OD is greater than a calibrator OD, the sample contains less DDT than the calibrator.
- If a sample OD is lower than a calibrator OD, the sample may contain more DDT than that calibrator.
- If an assay result indicates that a soil sample contains greater than 10 ppm total DDT, but you need more specific information, the soil extract may be diluted 1:100 in neat methanol, and assayed again. You must then multiply the results of the re-assay by 100 to determine the approximate sample concentration.

NOTE: If you know in advance that the "action level" of interest is greater than 10 ppm total DDT in soil, the assay may be modified to pinpoint that particular concentration. For example:

If you wish to categorize samples as less than or greater than 250 ppm, you should dilute all sample extracts 1:250 in neat methanol (e.g. 20 μ L extract plus 4.98 mL methanol) and compare the diluted extracts to the 1 ppm DDT kit calibrator. Due to the 250-fold dilution, the 1 ppm calibrator represents 250 ppm in the assay.

NOTE: If you are interested in action levels greater than 1000 ppm, please contact Millipore Technical Services for assistance.

Example

Actual OD values will vary. This data is for demonstration purposes only.

Tube	OD	Interpretation
NC	0.90 .	
C1 (0.2 ppm)	0.75	
C2 (1.0 ppm)	0.49	
C3 (10.0 ppm)	0.35	
S1	0.68	>0.2 ppm < 1.0 ppm
\$2	0.16	> 10.0 ppm

NOTE: The EnviroQuant Photometer is also available from Millipore. This dual wavelength instrument measures the OD at 450 nanometers (nm) minus 600 nm of all samples and calibrators, and provides a printout of results. See "Ordering Information" for the appropriate catalogue number.

Limitations of the Procedure

The EnviroGard DDT in Soil Test Kit is a qualitative/semi-quantitative screening test only. Actual quantitation of DDT by EnviroGard immunoassay is not possible due to the Test kit's cross-reactivity with DDT breakdown products and other similar compounds and to the variations in extraction efficiency inherent in the fast extraction protocol described in this product insert.

Soil sampling error may significantly affect testing reliability. The distribution of pesticides in different soils can be extremely heterogeneous. Soils should be dried and homogenized before analysis by any method. Split samples (i.e. for GC and immunoassay) should always derive from the same homogenate.

Ordering Information

The following table lists descriptions and catalogue numbers for the EnviroGard DDT in Soil Test Kit, Soil Extraction Bottle Kit and related products.

Description	Catalogue Number
EnviroGard DDT in Soil Test Kit	ENVR 000 31
EnviroGard Soil Extraction Bottle Kit	•ENSP 000 30
Methanol for soil extraction, 100 mL bottle	ELCR 000 07
Millipore Differential Photometer: • 115 volt (V), or • 230 V	ENVR 000 00 ENVR 002 30
EnviroQuant Photometer, 110V, or EnviroQuant Photometer, 220V	ENVR T11 00 ENVR T22 00
EnviroQuant Replacement Paper, 12 rolls	ENVR T11 02
Positive Displacement Precision Pipettor, Adjustable (2-250 µL) Repeater Pipettor EnviroGard Replacement Pipettor Tips (available separately):	ENVR SP0 06 ENVR SP0 01
 Positive displacement pipettor tips, 1-25 μL range 200/pk (not preassembled) 	ENVR L04 09
 Repeater pipettor tips, 5.0 mL, 100/pk Repeater pipettor tips, 12.5 mL, 100/pk 	ENVR L01 09 ENVR L02 09
Repeater pipettor tips, 50 mL, 10/pk	ENVR L03 09
 EnviroGard Soil Field Lab includes: 1 Portable balance with 100 gram calibrator weight 1 Eppendorf Repeater pipettor 3 5.0 mL Pipette tips for the Repeater pipettor, for 0.1 mL through 0.5 mL dispensing volumes 6 12.5 mL Pipette tips for the Repeater pipettor, for 0.25 mL through 1.250 mL dispensing volumes 1 50 mL Pipette tip for the Repeater pipettor, for 1.0 mL through 5.0 mL dispensing volumes 1 Positive displacement precision pipettor, adjustable (2-250 μL) 1 Electronic timer 6 Polystyrene test tubes, 12 mm X 75 mm (for blanking the spectrophotometer and sample dilutions) 4 Test tube racks, six-position 1 Wash bottle, 500 mL 1 125 mL large mouth bottle 	ENVR L00 09
 2 Work stations 1 Soil extraction rack Contact Millipore Technical Service for kit component replacement or reordering information. (See the "Technical Assistance" section for the number of the Millipore office nearest you.) 	

Technical Assistance

To Place an Order or Receive Technical Assistance, call the nearest number listed below:

IN THE U.S. AND CANADA

Call toll-free **800-MILLIPORE** (800-645-5476) In the U.S. FAX Orders (617) 533-8873 In Canada FAX Orders (613) 225-9366

Millipore Worldwide:

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Baltic Republics

In Finland: (358) 0 8045110

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(011) 548-7011

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Czech Republic

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Denmark

(46) 59-00-23

Finland

Tel. (90) 8045110

France

(1) 30-12-70-00

Germany

(06196) 494-0

Hong Kong (852) 2803-9111

Hungary

(36) 11-62-06-86

India

Bangalore:

(812) 394657

Italy

Milano: (02) 25078-1 Roma: (06) 5203600

Japan

(03) 3474-9111

Korea

(82-2) 5548305

Malaysia

(60) 3-7571322

Mexico

(525) 576-96-88

The Netherlands

(01608) 22000

Norway

472- 267-82-53

Poland

(48) 2-669-12-25 (48) 2-663-70-31

Puerto Rico

809-747-8444

Singapore

(65) 253-2733

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Millipore Intertech, U.S.A.

(617) 275-9200

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Safety

To receive complete safety information on this product, contact the nearest Millipore office and request Material Safety Data Sheet documents P70002, P34782, P34207 and P34210.

Acknowledgment

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P35409, Rev - 3/16/95

USEPA LEVEL II ANALYTICAL RESULTS

W001976APP

TABLE J-1 LEVEL II SUBSURFACE SOIL ANALYTICAL DATA VOC® AND OIL GREASE

FORT ALLEN JUANA DIAZ, PUERTO RICO

METH	8ite ID/Field Bamp. No.: Dapth (feet): Date Bampled: Lab ID:	8 <u>T</u> 180	9	GP-03-01/P030110X 11-14-1898 0526440001	GP-03-02/P030210X 11-14-1896 0526440002	GP-03-03/P030310X 11-14-1996 0528440003	GP-03-04/P030410X 11-14-1896 0626440004	GP-03-05/P030510X 11-15-1998 0526440005	GP-03-06/P030610X 11-15-1886 0528440008	QP-03-07/P030710X 11-16-1996 052440007	GP-03-08/P030810X 11-16-1898 0528440008	GP-03-09/P030910X 11-15-1896
8260	1,1,1-Trichloroethane	ug/kg	2	9	NO 6	Ι	S ON	9 QN	9 QN	ND 5	S ON	ND 6
8260	1, 1, 2, 2-Tetrachloroethane	ug/kg	Ş	100	NO SE	ND 6	ND 65	NO 65	NO S	ND 6	NO 5	NO 6
8260	1, 1, 2-Trichloroethane	ug/kg	Ş	9	9 Q	NO 6	8 e	9 Q	20 05	N 6	9 02	NO 6
8260	1,1-Dichioroethane	_	Ş	10	29 QX	ND 6	ND 6	9 07	NO 6	ND 6	ND 6	9
8260	1,1-Dichloroethene	ug/kg	2	D.	20 G	S QN	9 Q	200	20 CN	2 Q	20 02	NO 5
Ĭ	1,2-Dichloroethane	_	Š	E.	9 QX	NO 68	ND 65	9 0	ND 65	S CN	NO 6	NO 5
8260	1,2-Dichloroethane-d4	*	88		101	88	66	0.00	94	101	28	102
_	1,2-Dichloroethene (total)	ug/kg	Ş	9	9 QN	NO 65	ND 6	20 00	NO S	NO 6	ND 6	NO OF
Ξ	1,2-Dichloropropane	ug/kg	ç		ND 66	ND 65	ND 65	9 9	ND 65	NO 02	ND 5	ND 55
~	2-Butanone (MEK)		0 0	ĵ.	ND TO	ND 10	ND 10	Ot 0N	O. O.	ND 50	5 CN	ND 05
~	2-Hexanone		ᄝ	2	ND to	ND 10	10	5 5 5	NO 10	ND 10	ND 10	ND 10
4	4-Bromofluorobenzene	*	, 5		102	102	103	103	100	102	101	102
4	4-Methyl-2-pentanone (MIBK)	ug/kg	Ş	0	ND 10	ND 10	01 QN	50 TO	ND 10	10	1.1	01 ON
*	Acetone	ug/kg	2	9	00	ND 10	OL ON	ND 10	ND 10	01 02	ND 10	OL ON
	Benzene	04/6n	ş		D QZ	S O	S ON	9 QN	ND 66	8 QV	NO 50	80 OK
-#2	Bromodichloromethane	ug/kg	ş		ND GE	NO S	s ON	40 S	ND 5	S QN	8 ON	20 S
<u></u>	Bromoform	ng/kg	ş	9	ν Ω	S CN	ND G	NO 6	ND 65	ND GS	9 02	9
=	Bromomethane	vg/kg	2	2	Ot ON	01 QN	0F QN	ND 10	ND 10	ND 10	ND 10	2 2
<u>ي:</u>	Cerbon disulfide	na/ka	2	2	NO 02	ND 6	ND 6	20 OZ	9 02	2 0 0	NO 6	9 02
9	Carbon tetrachloride	dygn	ð	-	ND 6	NO 6	NO 6	<u>چ</u> و	9 QN	S CN	9 92	9 QZ
<u>ن</u> :	- ;	ng/kg.	ş		ND 65	NO OR	8 QN	9 9	NO 65	S ON	9 02	9 QZ
4	Chloroethane	ug/kg	2	0	OT 01	01 QN	01 QN	5	ND 10	OP 02	ND 10	02 QN
<u>ن:</u> :	-;	ng/kg.	ç	5	9 Q	ND 6	9 QV	9 02	8 Q	ND 55	ND 6	s CN
4	Chloromethane	ug/kg.	2	2	0t 0N	ND 10	ND 10	VD 10	ND 10	ND 10	ND 10	ND 10
0:	ole-1,3-Dichloropropene	ng/kg.	2	5	D CN	ND 08	ND 6	20 as	NO 55	ND 65	φ Ω	9 02
٥	Oibromochioromethane	ug/kg.	2	-	ND 6	ND G	ND 6	9	9 QN	ND 6	NO 65	N 6
<u>w:</u>	Ethylbenzene	ng/kg	Q.	<u></u>	NO OF	NO 6	ND 6	15 Q	9	ND 65	NO 65	20 02
4	Methylene ohloride	ug/kg	2	_	N 6	NO 6	ND 65	9 2	9 Q	20 OZ	NO 6	9 9
9	Styrene	ug/kg	ş		NO 05	NO 65	9 07	9	19 Q2	ND 6	NO 5	20.00
=	Tetrachloroethene		2	5	ND 00	ND 6	50 GZ	9 9	ND 65	ND 6	NO 6	NO OF
ř:	Toluene	ug/kg	ş	-	φ Ω	9 OX	7D 02	9 9	9 QN	9 QN	NO 66	20 20 20
-	Toluene-d8	×	202		102	103	103	102	1 80	102	102	102
=	ropropene	:	ç	100	9 CX	ND 6	ND 6	9	S QN	ND 65	ND 69	9 Q
-	91	ug/kg.	Ş	_	NO 08	ND 6	ND 6	9 02	S ON	NO SI	ND 55	S ON
<u>::ح</u>		- 1										
-		:	ę		ND 10	10 TO	ο <u>τ</u> 02	10	0 10 0 10	OT CO	02	5
<u><:</u>		ng/ko	•		:	ND 6	9 02	9 Q	00 QQ	ND 6	10 Q2	9
2	Oil and Greater	make	ç	5	~~~							

ND - Non-Detect, followed by quantitation limit ug/kg - miorograms per kilogram, or parte per billion

Page 2 of 4

TABLE J-1 LEVEL II SUBSURFACE BOR, ANALYTICAL DATA VOC* AND OR, GREASE

FORT ALLEN JUANA DIAZ, PUERTO RICO

Fred; Det	P. No.: Depth Date Samplad: D:	0P-03-10/P031010X 11-1E-1906 0626440010	QF-06-01/P080110X 11-16-1866 0626740006	QP-08-02/F080210X 11-18-1896 0628740007	QP-08-01/P080110X 11-13-1986 0626218008	QP-08-02/PO90210X 11-13-1906 0620210008	GP-08-03/P090310X 11-14-1886	07-08-04/F080410X 11-14-1886	ap-06-06/P080810X 11-14-1888	0P-08-06/P080810X
1,1,1-Trientonoethen	2	9 07	2		1	•	9		2000	1
1, 1, 2, 2-Tetraehlosoeth	pthane	≠	9 QV	• OZ	NO 6	•		9 QN		9
1, 1, 2-Tildhloreethen	9	2 CR	9	9 02	20 e	•		9 QX		2
1, 1-Dishloroschane		•	9	- 02	20 0 2	•		1 CX		9
1,1-Dishlerosthene		≠	• 02	- Q2	20 6	\$ 0.5	# CN	9	£ C2	9
1,2-Dichlenedhane		S ON	÷ 02	9	2 QX			# CX		
1,2-Dishloreethene-	1	•	20	3	0.					
1,2-Dishlaresthane (total	(hotal)	• •	20.2	9 92	₽ Q¥			- C7		
1,2-Dishlorepropere	-	- CN	- OX	9 02	\$ QX			4 63		
2-Butanone BAEK)		2	<u> </u>	50 70	-	2	10	10		•
2-Hexanene		0 OX	0. 02	NO 10	ND 10	0.00	0	0, 0,	2 9	2 9
4-Bremofilensbenze	2	Ş	2	101	101			100		203
4-Machyl-2-pentene	ne (MIRIK)	01 ON	0. 0.	10	NO 10	9	10	OF ON	9	9
Aestene		50 OF	0. O.	- 10 - 10	10	NO 10	NO TO	20	9	
Bentene		9	№ 6	9 ON	# CX	E CN			2	2.
Bremodehioremethe	2	≠	9	2	- Q2	9 CN	E CX	- CP	9	
Bremotern		<u>.</u>	\$ Q X	• 02	ND 6	9 02	9	9 02		9
Drememethere		<u> </u>	01 04	01 ON	10	50 10	10 ON	0, QX	10	9
Carbon douffide		- 9	• •	• 0	2	2	2 OX	•		9
Corbon tetrachloride		2	9 0	9 ON	2	- OX	- QX	•		9
Chlorebensene		9	<u>.</u>	9	2	• ₽	8 02	•	•	9
Chlemethene		2	5 5	NO 10	01 OM	NO TO	ND 70	01 09	10	10
Cherotom		2	• •	9 QN	-	₩O €	\$0 e	•	9 02	
Chleremethere		2	<u> </u>	NO 10	0. 04	0. 0	2	2	2	10
ete-1, 9-Dietleneprep	2	2	• •	. 02	• 02	9 92	•	•		ç
Chromochloremetha	2	~	9	9	•	- OX	•	•	•	9
Eshipensone		2	<u>و</u>	9 02	9	• 9	•	•		Q.
Medrytene chiedde		9	9	3 02	9	9 02	•	•		9
Street.		2	9	3 08	± QN	• 02	•	-		G C
Tetraehloreethene		9	9	9	2	9 02	•	•		9
Teluene		•	2	9 ON	9	₽	9	9 02		Ç
Toluna-48		102	102	101	ş	102				104
trane-1,8-Dishlerage	•	÷	<u>.</u>	• 02	• 02	•		•		2 CM
Tietieresthene		9	9	9	NO 6	9 92	•	•		9
Vind seetate										
Vint electe		55 56 50	<u> </u>	0	2	2 02	01 QM	01 07	01 02	O, GN
Aytenee (tecal)		9	9	2 02	9	9 02	g QX	1 CM		9
Of the Party		5	***						***************************************	

TABLE J-1 LEVEL II SUBSURFACE SOIL ANALYTICAL DATA VOC® AND OIL GREASE

FORT ALLEN JUANA DIAZ, PUERTO RICO

METH	Bite (D/Field Bamp. No.: Depth (feet): Date Bampled: Lab (D:	GP-09-07/PO80710X 11-14-1996 0628210011	GP-09-08/PO90810X 11-14-1996 0526210012	GP-MB-01/PMB0110X 11-15-1886 0528740001	GP-MB-02/PM90210X 11-15-1896 052674002	GP-M8-03/PM80310X 11-15-1896 0526740003	GP-M9-04/PM90410X 11-15-1996 0626740004	GP-M9-06/PM90610X 11-16-1996 0526740006	GP-WW-01/PWW0110X 11-16-1896 0528740008	GP-WW-02/PWW02107 11-16-1896 0528740009
8260 1,	1,1,1-Trichloroethane	9 Q	S CN	ND 500	9	9 08	Γ	Γ	9 QN	9 QN
8260 1,	I, 1, 2, 2-Tetrachloroethans	S ON	NO 6	ND 600	ND 55	ND 6	9	9	is CN	ND 65
=	I, 1, 2-Triohioroethane	NO SE	ND 6	ND 500	20 OX	NO GE	ZO 65	9 9	9 Q	NO 6
8260 1,	I,1-Diohloroethane	ND 65	ND 68		ND 65	NO 6	NO 6	NO 65	NO 6	NO S
1,	1,1-Dichloroethene	ND 65	ND 6	ND 500	ND 55	ND 65	20 02	9 QN	NO S	NO S
260 1,	I, 2-Dichloroethane	20 OS	NO 50	ND 500	ND 66	ND 6	NO ON	NO 6	NO 6	NO 6
3260 1,	3	86	180	81	97	97	100	100	101	68
8260 1,	I,2-Dichloroethene (total)	20 OX	ND 6	ND 500	NO G	ND 6	ND 6	9 QN	ND 6	20 02
260 1,		<u>S</u>		ND 600	9 02	ND 65	90	9 02	NO 6	NO 6
3260 2-	2-Butanone (MEK)	ND 10	2	ND 1000	ND 10	ND 10	NO 10	NO 10	10	10
3260 2-	2-Hexanone		01 ON	ND 1000	ND 10	ND 10	NO 10	ND 10	OL 0N	ND 10
3260 4-	4-Bromoffuorobenzene			105	28	104	100	86	60	101
_	4-Methyl-2-pentanone (MIBK)		N S	ND 1000	ND 10	ND 10	ND 10	NO 10	ND 10	NO 10
8260 Ac	Acetone	0 0	ND 10	ND 1000	ND 10	ND 10	01 QN	ND 10	ND 10	ο . Ω
8260 8	Benzene	Ω Ω	ю	ND 600	ND 65	ND 5	NO 6	NO 6	ND 6	20 G
8260 Br	Bromodlohloromethans	ю	ND 6	ND 600	ND 05	ND 65	9 CN	9 QN	ND 6	9 02
<u> </u>	Bromoform	9	SO 05	ND 500	NO 6	ND 65	ND 6	9 QX	9 02	9 02
ã	Bromomethane	2	ND 10	ND 1000	01 QN	ND 10	ND 10	01 ON	ND 10	5 0
ű	Carbon dieulfide		NO 6	ND 600	9 QN	ND 5	ND 65	9 QN	9 QZ	20 02
ű:	Carbon tetrachloride	<u> </u>	ND 6	ND 500	NO 65	S OZ	S ON	NO 66	20 QX	20 OZ
ن	Chlorobenzene	ND 66	NO 66	ND 600	NO OR	ND 05	ND GI	NO OS	9 QX	8 8
<u>ਹ:</u>	Chloroethane	ND 10	01 ON	ND 1000	ND 10	ND 10	10 IO	01 QN	01 DN	50
<u></u>	Chloroform	۵	NO 05	ND 600	ND 6	ND 65	ND 5	NO 65	ND 6	20 20
<u> </u>	Chloromethane	ND 10	0, 0,	ND 1000	ND 10	ND 10	ND 10	10 TO	ND 10	ND 10
ð	ois-1,3-Dichloropropens	ь.	e Q	ND 500	NO 6	S ON	9 QN	- P	ND 6	20 OX
<u> </u>	Dibromochloromethane	NO G	ND 65	ND 500	ND 6	S ON	S ON	- QN	ND 65	NO OF
<u>ت</u>	Ethyibenzene	NO ON	S O	1700	9 08	9 QN	NO 6	9 00	ND 65	۵ م م
Σ	Methylene chicade	<u>9</u>	NO 6	ND 600	ND 66	ND 6	9 QN	- 9 QN	ND 65	80 ON
ő	Styrene	NO 66	ND 6	ND 600	NO 6	9 QN	ND 65	2 ON	ND 68	80 6s
ř	Tetrachloroethene	NO 6	9 QN	ND 500	NO 6	S ON	NO 6	- QZ	%D 6	NO 65
۴	oluana	ND 65	NO 05	ND 600	ND 65	ND 65	ND G	- QN	S ON	80 G
£	ap-euenjo	102	102	104	102	103	103	8	102	102
-	trans-1,3-Dichloropropens	8 9	NO 65	ND 500	NO S	ND 6	NO 65	20 G	ND 6	8
٤	dehioroethene	ND 6	10	ND 500	NO 55	S ON	NO 02	20 OX	20 02	NO SE
8260 VI	Viny) acetate			1000 UN					***************************************	
	Vinyi ohlonda	_	O	ND 1000	ND 10	ND 10	ND 10	O1 ON	01 02	ND 10
_	Xylense (total)	ž	ю	100	NO GE	ND 6	NO 6	- 0N	20 QZ	20 OX

ND = Non-Detect, followed by qua ug/kg = mlorograms per kilogram, Note:

TABLE J-1 LEVEL II SUBBURFACE BOIL ANALYTICAL DATA VOC¢ AND OIL GREASE

FORT ALLEN JUANA DIAZ, PUERTO RICO

	West): Date Semethal	GP-WW-03/PWW0304X	0F-WW-04/PWW0410X	GP-WW-06/PWW0610X	GP-WW-08/FW/W0610X
METH	Lab ID:	0626740010	0626740011	0626740012	0628740013
1280	1,1,1-Trichloreethene		9 QN	9 02	
1260	1.1.2.2-Tetrachiorecthene	9 QN	# GN	1 04	
8	1.1.2-Tiehioroethane	9 09	g CX	1 OX	# C2
9	1 1.Dishbaroshana	- C2	# CP4	- 67	# C22
	1 Charles				
2	Z-Charlestonen	2	2		9 04
3	1,2-Demonosthane-44	8	8	, oı	2
8	1,2-Dichloreethene (total)		9	9	• Q
8	1,2-Dishlorspropens	8 QN	NO G	3 OH	9 OX
8	2-Butanone (MEK)	₹	NO 10	5 05	10
8	2-Hexanone	10	NO 10	01 094	0.0
8	4-Brome@uerebenzene	82	2		101
ŝ	4-Methyl-2-pentanene (MIBK)	10	ND 10	10	10
8	Aestene	70 TO	ND 10	NO 10	NO 10
8	Benzene	• Q	2	• •	2
ş	Bremodichieremethene	3 ON	9 92	3 0 3 0	2 0
8	Bramoform	S QN	S ON	9	9 9
8	Brememethene	01 ON	01 04	0. 0.	0.0
8	Carbon disuffide	9 02	.	9	9 02
8	Carbon tetrachiodde	* ON	• Q	• Q	-
8	Chlerebantene	9 02	• Q	9 QN	• 9
8	Chieresthens	10	NO 10	NO 10	NO 10
8	Chievefeam	• Q	9	2	9
2	Chieremethene	ND 10	10	5 Q	50 0X
8	ele-1, 3-Dishloreprepane	• ON	9	3 ON	9 92
ş	Dihramsehleremethane	9 ON	- QN	- OX	• 9
8	Ethylbenzene	* QX	5	₽	• 2
8	Methytene shiedde	9 Q	•	20 es	₽ Q¥
280	Byrene	• 04	* O*		₩ 9
8	Tetrashieresthene	S ON	•	9 02	9 92
8	Takuana	NO 6	• Q	₽ Q2	• Q
280	Teksene-68	102	101	8	8
2	trane-1, 3-Clobieroprepene	•	- QX	₽ Q¥	- 02
8	Tutchioreethans	•	2	9	2
8	Vinyl asstats				
8	Vinyl shlodde	50 OK	5 OX	5 0¥	ND -0
8	Xylenes (total)		5 CX	\$	• 9
	A 4 0				

1/28/97

USAEC/IRDMIS ANALYTICAL RESULTS

IRDMIS DATA-FINAL DOCUMENTATION REPORTS

W001976APP

Site Site
Type ID
---PLUG SS-09-01

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75 28-JAN-97

	EPA Data	quats																																												
	Data	Quals																																												
		Meas Codes	>	. 000 000		v 55U	V DDU	V 20U	NGG v	V 59U	V 200	NGG V		UGG VB		UGG VB	NGG V	V 25U	A 550	V 25U	V DGG	> 99n	. v	^ 551	> > 550	N 990	> 550 Ngg -	> N	> 550 000	N 050	V 55U	NGG V	NGG V	NGG V	NGG V		> 000	NGG V	NGG V	NGG V	V 55U	NGG V	V 55U	V 25U	NGG V	NGG V
	Me	Bo conc		32	17 .5	LT 1	LT 2	17 .2	111	LT 5	111	LT 1	21800	27900	22500	086	35.4		LT 2	LT 1000		28.3	18.4	2, 75	71.4	63.8	1.02 E 5			LT .33	LT .33				LT .33						LT .33				LT .33	LT .33
16-NAU-02	:	Analyte Description		Lead	Gasoline range organics	Selenium	Thallium	Mercury	Antimony	Arsenic	Beryllium	Cadmium	Aluminum	Iron	Magnesium	Manganese	Nickel	Potassium	Silver	Sodium	Barium	Chromium	Cobalt	Copper	Vanadium	Zinc	Calcium	4-Nitroaniline	4-Nitrophenol	2,4-Dimethylphenol	p-Cresol / 4-Cresol / 4-Methylphenol	1,4-Dichlorobenzene	4-Chloroaniline	Bis(2-chloroisopropyl) ether	Phenol / Carbolic acid / Phenic acid	/ Phenylic acid / Phe*	Bis(2-chloroethyl) ether	Bis(2-chloroethoxy) methane	Bis(2-ethylhexyl) phthalate	Di-n-octyl phthalate	Hexachlorobenzene	Anthracene	1,2,4-Trichlorobenzene	2,4-Dichlorophenol	2,4-Dinitrotoluene	Benzo[def]phenanthrene / Pyrene
. Dare vande.	:	CAS NO.		7439-92-1		7782-49-2	7440-28-0	7439-97-6	7440-36-0	7440-38-2	7440-41-7	2440-43-9	7429-90-5	7439-89-6	7439-95-4	7439-96-5	7440-02-0	2440-09-7	7440-22-4	7440-23-5	7440-39-3	7440-47-3	7440-48-4	7440-50-8	7440-62-2	9-99-057	7440-70-2	100-01-6	100-02-7	105-67-9	106-44-5	106-46-7	106-47-8	108-60-1	108-95-2	•	111-44-4	111-91-1	117-81-7	117-84-0	118-74-1	120-12-7	120-82-1	120-83-2	121-14-2	129-00-0
Sin Adillipo	Meth/	Matrix	DRO /S	GPB1/S	GRO /S	GSE1/S	GTL1/S	HGC1/S	ICM1/S				ICP1/S															SMV2/S	•																	
	rab	Lab Anty. No.																																												
	Sample	vate	19-NOV-96																																											
	4	nebtu	1.0																																											
	Field	sampre no.	S090101X																																											

* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO 28-JAN-97

Site ID ...-SS-09-01

Site Type

28-JAN-97

EPA Data Quals																																												
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Unit	991				990	990	990		ອອກ	ອອກ	ອອກ	990	990	990	990		990		990	59 0	990		วยก	990	99	990	990	990	990	990	ยยก	990	990	995	99	ອອກ	990		990	995	990	ອອກ	990	990
Conc	.				٠.		.33				.33						-			-			.21	53.						.33		33		.33		.33							.x.	
8 8	: =	; =	;		-	5	=		ב	ב	=				-				-	ב					5	-1	ב	=	ב	5	ב		ב	ב	=		3- LT		ב	=	=	5	5	=
Analyte Description	Dimethy! phthe pte	Dibenzofuran	2,4-Bis(isopropylamino)-6-methoxy-	1,3,5-triazine / Primato*	Benzo[ghi]perylene	Indeno[1,2,3-C,D]pyrene	Benzo[b]fluoranthene / 3,4-	Benzofluoranthene	Fluoranthene	Benzo [k] fluoranthene	Acenaphthylene	Chrysene	Benzo [a] pyrene	2,4-Dinitrophenol	Dibenz[sh] anthracene / 1,2:5,6-	Dibenzanthracene	4,6-Dinitro-2-cresol / 2-Methyl-4,6-	dinitrophenol	1,3-Dichlorobenzene	Benzo (a) anthracene	3-Methyl-4-chlorophenol / 4-Chloro-3-	cresol / 4-Chloro-3-m*	Octadecane	2,6-Dinitrotoluene	N-Nitrosodi-n-propylamine	Hexachloroethane	Hexach lorocyclopentadiene	Isophorone	Acenaphthene	Diethyl phthalate	Di-n-butyl phthalate	Phenenthrene	Butylbenzyl phthelate	M-Witrosodiphemylamine	Fluorene / 9M-Fluorene	Carbazole / 9M-Carbazole	Hexachlorobutadiene / Hexachloro-1,3-	butadiene	Pentachlorophenol	2,4,6-Trichlorophenol	2-Nitroaniline	2-Nitrophenol	Naphthalene / Tar camphor	2-Methylnaphthalene
CAS No.	131-11-3	132-64-0	1610-18-0		191-24-2	193-39-5	205-99-2		206-44-0	207-08-9	208-96-8	218-01-9	50-32-8	51-28-5	53-70-3		534-52-1		541-73-1	56-55-3	59-50-7		593-45-3	606-20-2	621-64-7	67-72-1	7-27-11	78-59-1	83-32-9	84-66-2	84-74-2	85-01-8	22-02-7	9-20-9	26-73-7	86-74-8	87-68-3	;	87-86-5	88-06-2	88-74-4	88-73-5	91-20-3	91-57-6
Meth/ Matrix	S/ CAMS)																																										
Lab Lab Anly. No.	RI 52678-11																																											
Sample Date	19-MOV-96																																											
Depth	1.0	:																																										
	S090101X																																											

* - Analyte Description has been truncated. See Data Dictionary

28-JAN-97

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75 28-JAN-97

	EPA Data	Quals																																													
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		Meas Codes	\ 35ii		^ 99n		> 550		> 550 000		۸ عوا	> > 991	> > 991	- AV 551		-	> > 000	> 2			200		nge vB		UGG VB	NGG V	V 55U	NGG V	V 55U	A 550	V 990	UGG BV	_			V 990	7 99N	A 550	-	-		2 N					
	Me	_	1 1	€ «.			.33				α -	33		_	, -			- 14	j	j c	i .	 ů.	4.	- -	_	9 E -2	~:	9 E -2		۲.	6.74	3.23		11	LT 2	11 .2	L1 1	LT 5	11 1	-	27300	36100	24500	585	42.2	1390	
UI-JAN-7/		Analyte Description	2-rhioronaphthalana	3.3/-Dichlorobenzidine	o-Cresol / 2-Cresol / 2-Methylphenol	1.2-Dichlorobenzene	2-Chlorophenol	2.4.5-Trichlorophenol	Nitrobenzene / Essence of mirbane /	Oil of mirbane	Z-Nitrosniline	4-Bromophenyl phenyl ether	4-Chlorophenyl phenyl ether		Unknown compound 551	Unbacin compound E04	Unknown compound 505		Introduct company AAA						Unknown compound 637	Unknown compound 640	Unknown compound 647	Unknown compound 658	Unknown compound 659	Unknown compound 663	Diesel range organics	Lead	Gasoline range organics	Selenium	Thallium	Mercury	Antimony	Arsenic	Beryllium	Cadmium	Aluminum	Tool	Magnes i m		Nickel	Potassium	
Date Kange: UI-JAN-/J	;	CAS No.	01-58-7	91-94-1	95-48-7	95-50-1	95-57-8	95-95-4	98-95-3		60-00-0	1																				7439-92-1		7782-49-2	7440-28-0	2439-97-6	7440-36-0	7440-38-2	2-14-0442	7440-43-9	7429-90-5	9-68-627	7-50-6272	5-96-6272	7440-02-0	7-40-04-7	
sampung	Meth/	Matrix	S/C/MS	ì																											DRO /S	GPB1/S	GRO /S	GSE1/S	GTL1/S	HGC1/S	ICM1/S				ICP1/S	· · · · · · · · · · · · · · · · · · ·					
	Lab	Lab Anly. No.	52678-11																												52678-12																•
	•	Lab	ā	!																											굺																•
	Sample	Date	10-NOV-05			•																									1.0 19-NOV-96																-
	;		0																												1.0																
	Field	Sample No.	S090101X																												S090201X																
	Site	a :	SS-09-01																												SS-09-05																
	Site	ype	501d																																												4

* - Analyte Description has been truncated. See Data Dictionary

Site Type ...

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75

	Flag Data Codes Quals	
		99n 99n 99n 99n 99n 99n 99n 99n 99n 99n
		25.7 25.7 27.7
01-JAN-75 28-JAN-97	Analyte Description	Silver Sodium Barium Chromium Chomium Chomium Chomium Cobait Copper Vanadium 2 inc Calcium 4-Nitrophenol 2,4-Dimethylphenol 1,4-Dichlorobenzene 4-Chloroaniline 4-Chloroaniline 4-Chloroaniline 6-Nitrophenol 7 Carbolic acid / Phenic acid 7 Phenylic acid / Phenic acid 8 is (2-chloroathyl) ether 8 is (2-chloroathyl) ether 8 is (2-chloroathyl) phthalate Di-noctyl phthalate C,4-Dinitrotoluene Benzoldef]phenanthene 6 indeno[1,2,3-C,D]pyrene Benzolki fluoranthene Fluoranthene Benzolki fluoranthene Chrysene Benzolki fluoranthene Chrysene Benzolalpyrene 2,4-Dinitrophenol Dibenzanthracene 4,6-Dinitro-2-cresol / 2-Methyl-4,6-
Sampling Date Range: 01-JAN-75	CAS No.	7440-22-4 7440-23-5 7440-23-5 7440-23-3 7440-23-3 7440-23-3 7440-62-2 7440-62-2 7440-62-2 7440-62-2 7440-62-2 7440-62-2 7440-62-2 106-64-7 106-44-5 111-91-1 106-44-5 111-91-1 111-91-1 111-91-1 111-91-1 111-91-1 111-91-1 1120-82-1 120-82-1 121-14-2 14-14-2 14-14-2 14-14-2 14-14-2 14-14-2 14-14-2 14-14-2 14-14
Sampling	Meth/ Matrix	SMV2/S
	Lab Anly. No.	52678-12
	Lab	교
	Sample Date	96-VON-96
	Depth	1.0
	Field Sample No.	so90201x
	Site ID	ss-09-05

* - Analyte Description has been truncated. See Data Dictionary

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Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75

Field Sample Sample Sample No. Depth Date So90201X 1.0 19-NOV-96

Site Site
Type ID
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PLUG SS-09-02

EPA Data Quals	: : : :																																															
Data Quals	1 1 1																																															
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Unit Meas	991	3 3	990		990	99N	99N	990	990	991	2 5		2 5	חפת :	990	ngg	99N	990	990		99N	990	991	990	991	3 5	9 0	9 0	200	990	99n	990	99 0	990		990	990	990	991		9 0	200	990	9	ยอก	99	ดูยู	
	: 1-1	74				LT .33		11 .33										LT .33			LT .8	17 .33									•			LT .33		LT .8		11 .33		u	, c	u		4.		w.	∞.	
Analyte Description	1 3-Dichlorobersene	Renzo (a) anthracene	3-Methyl-4-chlorophenol / 4-Chloro-3-	cresol / 4-Chloro-3-m*	2,6-Dinitrotoluene	N-Nitrosodi-n-propylamine	Hexachloroethane	Hexachlorocyclopentadiene	Isophorone	Acenaphthene	Diothyl phtholoto	District Interest	phononthrone		Butylbenzyl phthalate	N-Nitrosodiphenylamine	Fluorene / 9M-Fluorene	Carbazole / 9H-Carbazole	Hexachlorobutadiene / Hexachloro-1,3-	butadiene	Pentachlorophenol	2,4,6-Trichlorophenol	2-Nitroaniline	2-Nitrophenol	Naphthalene / Tar camphor	2-Mothy Landtha and	2-chlossachthalan	Z Z/ - biskloskene	5,5'-Vichtorenziaine	o-Cresol / Z-Cresol / Z-Methylphenol	1,2-Dichlorobenzene	2-Chlorophenol	2,4,5-Trichlorophenol	Nitrobenzene / Essence of mirbane /	Oil of mirbane	3-Nitroaniline	4-Bromophenyl phenyl ether	4-Chlorophenyl phenyl ether		Introduction compound first					Unknown compound 623		Unknown compound 637	
CAS No.	541-73-1	56-55-3	59-50-7		606-20-2	621-64-7	67-72-1	7-27-22	78-59-1	83-32-0	84-66-2	2,772	04 74-2 05-01-0	0-10-10	7-89-58	86-30-6	86-73-7	86-74-8	87-68-3		87-86-5	88-06-2	88-74-4	88-75-5	91-20-3	01-57-6	01-50-7	01-06-1	1-54-14	7-84-6	95-50-1	95-57-8	95-95-4	98-95-3		99-09-2												
Meth/ Matrix	SWV27S																																															
	RI 52678-12																																												-			

* - Analyte Description has been truncated. See Data Dictionary

Site Type

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO

* - Analyte Description has been truncated. See Data Dictionary

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Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO 28-JAN-97

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	EPA Data	Quals								
	Data	Quals	: : : :							
	Unit Flag	Meas Codes		7 59N	7 DBO	V 55U	V DOU	V DOU	NGG V	
	Æ	Bo Conc	: : :	LT .33	11 .33	LT .33	LT .6	11 .5	LT .33	
		Analyte Description		Benzo[def]phenanthrene / Pyrene	Dimethyl phthalate	Dibenzofuran	Benzo [ghi] perylene	Indeno[1,2,3-C,D]pyrene	Benzo[b]fluoranthene / 3,4-	Dona of Library thoma
		CAS No.		129-00-0	131-11-3	132-64-9	191-24-2	193-39-5	205-99-2	
•	Meth/	Matrix	1	MV2/S	•					
	qeT	Lab Anly. No. M		RL 52678-07						
	Sample	Date		SLE0101X 1.0 19-NOV-96			•			
		Depth	. !	1.0	:					
	Field	Sample No. D		SLE0101X					,	
	Site	2	;	SS-1E-01						
		Type								

V 20U	990	วอก	990		3 NGG V	v alue	ອອກ	990	า	_	990	V 200	A 590				2 nge v			990	990	CA 950	SV DGG VS		_	nec	990	990	990	3 Oge v	900	990	990	990		990	7 500 F	
1.3	LT .33				LT .33		17.5					9. 11	[1]		LI .33		LT .33		LT .33		LT .33	<u>?</u>	.55		-		LT .33			 							LT .33	
Benzo[def]phenanthrene / Pyrene	Dimethyl phthalate	Dibenzofuran	Benzo [ghi] perylene	Indeno[1,2,3-C,D]pyrene	Benzo[b]fluoranthene / 3,4-	Fliorenthone	Benzo[k] fluoranthene	Acenanthylene	Chrysene	Benzo [a] pyrene	2,4-Dinitrophenol	Dibenz [ah] anthracene / 1,2:5,6-	Dibenzantmracene 4.6-Dinitro-2-cresol / 2-Methyl-6.6-	dinitrophenol	1,3-Dichlorobenzene	Benzo (a) anthracene	3-Methyl-4-chlorophenol / 4-Chloro-3-	cresol / 4-Chloro-3-m*	2,6-Dinitrotoluene	N-Nitrosodi-n-propylamine	Hexachloroethane	ppDDD / 1,1-Dichloro-2,2-bis(p-	2.2-Bis(p-chlorophenyl)-1.1-	dichloroethene	Mexachlorocyclopentadiene	Isophorone	Acenaphthene	Diethyl phthalate	Di-n-butyl phthalate	Phenanthrene	Butylbenzyl phthalate	N-Nitrosodiphenylamine	Carbazole / OH-Carbazole	Hexachlorobutadiene / Hexachloro-1,3-	butadiene	Pentachlorophenol	2,4,6-Trichlorophenol	
129-00-0	131-11-3	132-64-9	191-24-2	193-39-5	205-99-2	0-77-906	207-08-9	208-96-8	218-01-9	50-32-8	51-28-5	53-70-3	534-52-1		541-73-1	56-55-3	29-20-7		606-20-2	621-64-7	67-72-1	72-54-8	72-55-9	·	7-44-4	78-59-1	83-32-9	84-66-2	84-74-2	85-01-8	85-68-7	86-50-6	86-74-8	87-68-3	; ;	87-86-5	88-06-2	

* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75

Site	Site ID	Field Sample No.	Depth	Sample Date	Lab A	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	_	Unit Flag Meas Codes	Data Quals	EPA Data Quals
PLUG	SS-LE-01	SLE0101X	1.0	19-NOV-96		52678-07	SMV2/S	91-20-3	Nachthalene / Tar camphor	11 .33		:	:
							ı	91-57-6	2-Methylnaphthalene	11 .33	> > 990		
		,						91-58-7	2-Chloronaphthalene		> 500		
								91-94-1	3,3'-Dichtorobenzidine		NGG V		
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol		> 550°		
								95-50-1	1, Z-Dichlorobenzene	۲: ا	> : 000		
								0-70-06	z-chlorophenol		> 990		
								73-73-4 08-05-3	Z,4,5-Trichlorophenoi	æ :	7 7 7		
								6-64-04	nitropenzene / Essence of mirbane /		^ 550		
								00-00	Z-N:+====================================		;		
								7-40-44	2-Nitroaniline	æ :	7 000		
									4-Bromophenyl phenyl ether		> 550		
									4-Chlorophenyl phenyl ether				
									N-Tetradecanoic Acid Amide	.17	OGG VS		
										9	OGG VB		
										-			
										ĸ.			
									Unknown compound 615	'n.			
									Unknown compound 623	7	UGG VB		
									Unknown compound 630	9 E -2			
									Unknown compound 637				
	;								Unknown compound 668	7 E -2			
	SS-LE-02	SLE0201X	<u>.</u>	1.0 19-NOV-96	교	52678-08	DRO /S		Diesel range organics		-		
							GPB1/S	7439-92-1	Lead	1300	N 550		
							GRO /S		Gasoline range organics				
							GSE1/S	7782-49-2	Selenium	• -	> >		
							GTL1/S	7440-28-0	Thellium	- 2	• > 991		
		-					HGC1/S	9-26-6572	Mercury	241	> >		
							ICM1/S	7440-36-0	Antimony		> >		
							•	7440-38-2	Arsenic	- 1-	> >		
								7-17-077	Bervil itm		> >		
								6-27-0772	Cadaira		> >		
							ICP1/S	7429-90-5	Aluminum	0440	- A		
							:	7439-89-6		16300			
								7439-95-4		10100	2 > 250		
								2-90-0272					
								7640-02-0		220			
								7440-02-0			7 55U		
								7-40-04-7					
								5-77-044/		11 2	7 550 0 500		
								C-CZ-044/	m i soci mi) DBC		
								7440-59-5		559	NGG V		
								6-74-0447	Chromium	12	> 550		
								5-85-055/	Cobalt	11.3	> 000		
* - Ana	lvte Descri	Analyte Description has been trimest	יה לרוות	Pag.	Date Dictio	Viano;+0							

* - Analyte Description has been truncated. See Data Dictionary

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Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75 28-JAN-97

Field Sample Sample Sample No. Depth Date Sample No. 1.0 19-NOV-96

Site Site
Type ID
---PLUG SS-LE-02

EPA Data	Quals	-																																											
Data	Quals	:																																											
Flag			>	>	• >	• >	• >	• >	- >	• >	> >	• :	> >	- >	•	>	. >	. >	. >	· >	. >	· >	• >	> >	• >	>	. >	>	· >	· >		>	>	>	>	>	>	>		>	2	> >	> 3	° >	•
Unit	Meas	!	990	9911	991	9 2	990	30	2 5	9 9	200	2 0	3 5	9 9)	991	990	990	nee	990	000	991	990	991	990	990	200	nee	990	990		000	99N	99n	UGG	UGG	55N	000 0		NGG	9	9 0	2 5	2 5	3
Đ.	Bo Conc		83.2	36.4	269	1 08 F 7										11 .33							11 .33						.5			11 .33								111		11 .33		5. T	
	Analyte Description	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Copper	Vanadium	Zinc	Calcia	4-Nitroaniline	4-Nitrophenol	2.4-Dimethylphenol	n-Cresol / 4-Cresol / 4-Mathylphanol			#-circl damicine Bis(2-chloroisopropy) ather	Phenol / Carbolic acid / Phenic acid	/ Phenylic acid / Phe*	Bis(2-chloroethyl) ether	Bis(2-chloroethoxv) methane	Bis(2-ethylhexyl) phthalate	Di-n-octyl phthalate	Hexachlorobenzene	Anthracene	1.2.4-Trichlorobenzene	2,4-Dichlorophenol	2.4-Dinitrotoluene	Benzo[def]phenanthrene / Pyrene	Dimethyl phthalate	Dibenzofuran	Benzo[ghi]perylene	Indeno[1,2,3-C,D]pyrene	Benzo[b]fluoranthene / 3,4-	Benzofluoranthene	Fluoranthene	Benzo [k] fluoranthene	Acenaphthylene	Chrysene	Benzo [a] pyrene	2,4-Dinitrophenol	Dibenz[ah]anthracene / 1,2:5,6-	Dibenzanthracene	4,6-Dinitro-2-cresol / 2-Methyl-4,6-	1 %-Dioblondon	Reprofes enthraces	1 2-Dimethylnenhthelene	1,2-Dimethythaphthatene 3-Methyl-4-chlorophenol / 4-Chloro-3-	cresol / 4-Chloro-3-m*
	CAS No.		7440-50-8	7440-62-2	9-99-077	2-02-0772	100-01-6	100-02-7	105-67-9	106-44-5	106-46-7	104-7.7-8	108-47-5	108-95-2	1	111-44-4	111-91-1	117-81-7	117-84-0	118-74-1	120-12-7	120-82-1	120-83-2	121-14-2	129-00-0	131-11-3	132-64-9	191-24-2	193-39-5	205-99-2		506-44-0	207-08-9	208-96-8	218-01-9	50-32-8	51-28-5	53-70-3		534-52-1	541-72-1	56-55-3	574-08-8	59-50-7	-
Meth/	Matrix	!	ICP1/S				SMV2/S	•																																					
Lab	Lab Anly. No.		52678-08																																										
	La	i	뮙																																										

* - Analyte Description has been truncated. See Data Dictionary

28-JAN-97

Site Type

	EPA Data Quals																																										
	Data Quals	:																																									
		NGG V	v 55U	^ 990	> 990	> 550 000	> 000	_							> 290		> 290				> 550			> 990				> 99n	7 990	:	> 550 500			990			9			8A 595	20 and 20		A 990
	_		11 .33						.33		LT .33		.33		LT .33		ا ا به		₽. -1		LT .33	L1 .33	1.33		LT .33			LT .8	LT .33		: :	57. I		7 - 2	ע	ń.	, .	ij.	٦,	. *			.5
File Type: CSO ate Range: 01-JAN-75	Analyte Description	2,6-Dinitrotoluene	N-Nitrosodi-n-propylamine	Hexachloroethane	Hexach lorocyclopentadiene	Isophorone	Acenaphthene	Diethyl phthelate	Di-n-butyl phthalate	Phenanthrene	Butylbenzyl phthalate	N-Nitrosodiphenylamine	Fluorene / 9H-Fluorene	Carbazole / 9H-Carbazole	Mexachlorobutadiene / Hexachloro-1,3-	Dutaglene	Pentachlorophenol	Z,4,6-Irichlorophenol	2-Nitroaniline	2-Nitrophenol	Naphthalene / Tar camphor	2-Methylnaphthalene	2-Chloronaphthalene	3,3'-Dichlorobenzidine	o-Cresol / 2-Cresol / 2-Methylphenol	1,2-Dichlorobenzene	2-Chlorophenot	2,4,5-Trichlorophenol	Nitrobenzene / Essence of mirbane /	UIL OF MITDENE	2-Witrospiline	Unior ophiemy i premy etner	Infraria compound SS1	Introduction compound 504	Unknown compound 604	Interest company of		The state of the s	Unknown compound 616	nuknown campana 623	Unknown compared 630	Unknown compound 637	
ng Date Range:	5	. •	621-64-7	67-72-1	7-27-11	78-59-1	675-58	7-00-1 10-10-10-10-10-10-10-10-10-10-10-10-10-1	24-14-2	82-01-8	65-68-7	9-26-92	86-73-7	80-14-8	0/-00-2	;	87-86-5	7-90-98	4-4/-99	88-73-5	91-20-3	91-57-6	91-58-7	91-94-1	95-48-7	95-50-1	95-57-8	2-2-4	98-52-3	8	7-K)-K												
Sampling D	Meth/ Matrix	•																																									
	Lab Anly. No.																																										
	Sample Date	-																																									
	Depth	1.0																																									
	Field Sample No.	SLE0201X																																									
	Site	SS-LE-02																																									

^{* -} Analyte Description has been truncated. See Data Dictionary

Site Type ----

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75 28-JAN-97

		- C		d lama o			1	,		2			4
	0	Sample No.	Depth	Date	Lab	Lab Anly. No.	Matrix	CAS No.	Analyte Description	Bo Conc	Meas Codes	Quals	Quals
S	SS-LE-02	SLE0201X	1.0	19-NOV-96	. 4		SMV2/S	; ; ; ;	Unknown compound 663		\ 050 \\ \ 050	-	:
Ø	SS-M9-01	SM90101X	1.0	1.0 19-NOV-96	R	52678-13	DRO /S		Unknown compound 668 Diesel range organics	8 E -2 1260	> > 000 000		
							GPB1/S	7439-92-1	Lead	52	UGG BV		
							GRO /S		Gasoline range organics	10.6	v 550		
							GSE1/S	7782-49-2	Selenium	11 1	v 200		
							GTL1/S	7440-28-0	Thallium	LT 2	v 220		
							HGC1/S	2439-97-6	Mercury	LT .2	v 250		
							ICM1/S	7440-36-0	Antimony	11 1	A 550		
								7440-38-2	Arsenic	LT 5	A 550		
								7440-41-7	Beryllium	111	V 25U		
								6-64-0442	Cadmium	11	7 200		
							ICP1/S	7429-90-5	Aluminum	15300	UGG VB		
								7439-89-6	Iron	23500	_		
								7439-95-4	Magnesium	11500	v 55U		
								2439-96-5	Manganese	869	UGG VB		
								7440-02-0	Nickel	25.4	N 990		
								2440-09-7	Potassium		v 55U		
								7440-22-4	Silver	11 2	V 55U		
								7440-23-5	Sodium	LT 1000	v 550		
								7440-39-3	Barium	8.99	v 550		
								7440-47-3	Chromium	82	A 550		
								7440-48-4	Cobalt	13.1	NGG V		
								7440-50-8	Copper	34.1	v 55U		
								7440-62-2	Vanadium	22	v 550		
								9-99-057	Zinc	8.79	V DDU		
								7440-70-2	Calcium	74200	> 990		
							SMV2/S	100-01-6	4-Nitroaniline	LT 3	v 55U		
								100-02-7	4-Nitrophenol	LT 3	> 990		
								105-67-9	2,4-Dimethylphenol	LT 1	NGG v		
								106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	1,	NGG V		
								106-46-7	1,4-Dichlorobenzene	11 1	NGG V		
								106-47-8	4-Chloroaniline	11	> 550		
								108-60-1	Bis(2-chloroisopropyl) ether	11	NGG V		
								108-95-2	Phenol / Carbolic acid / Phenic acid	1	NGG V		
									/ obony to poid / obox				

55555

Bis(2-ethylhexyl) phthalate Di-n-octyl phthalate Hexachlorobenzene

Eicosane

111-44-4 111-91-1 112-95-8 117-81-7 118-74-1 120-12-7 120-82-1

1,2,4-Trichlorobenzene

Anthracene

ニコ

Bis(2-chloroisopropyl) ether Phenol / Carbolic acid / Phenic acid / Phenylic acid / Phe* Bis(2-chloroethyl) ether Bis(2-chloroethoxy) methane

^{* -} Analyte Description has been truncated. See Data Dictionary

Sample
Depth Date
-----1.0 19-NOV-96

Field Sample No.

Site Site
Type ID
---PLUG SS-M9-01

28-JAN-97

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Data	gual s	: : :																																																				
	s codes		> :	> :	>	>	>	• :		SA .	_	• >	>		>	• >	>	>	>	> >	• :	> :	>		>		>	× ×	_	> >	>		S .	OSA	>	>	۸S							>	>	>	>	· >	• >	> :	> ;	>	>	
Unit	Meas			390	990	990	9911		990	997	2211	3 5	3		9911	3	3	990	990	2011		9 6	3		990		990	2011	991	301	3		990	990	990	990	990	990	990	9913	991	3 5	3 :	990	990	990	ยยก	231	3		3	995	990	
Te C	Bo Conc	*	- •	- ·			11 1		7 7	٥.	11.2		_		111			- 1	111	-		7 .	7 13		LT 4		LT 1	Ç	- 1		-	1	٥.	ا	LT 1	LT 1	•	٥	•	•		٠.		_	LT 1		11 1	111		- •		[1 1		
Analyta Daconintintina	Analyte Description	2.4-Dichlorophanol			Benzolderiphenanthrene / Pyrene	Dimethyl phthalate	Dibenzofuran	Denie Cale d'acces, acces	perizo (gn.) per y lene	2,6,10,14-Tetramethylpentadecane	Indeno[1 2 3-C Dinvrene	Renzorhidionenthene / 3 4.		Senzor (Loranthene	Fluoranthene	Renzo (k) éluorenthene		Acenaphthylene	Chrysene	Benzofalovrene	2 4-Dinitrophenel	Dibon-Tohlonehmann / 4 2.5 /		Dibenzanthracene	4,6-Dinitro-2-cresol / 2-Methyl-4,6-	dinitrophenol	1,3-Dichlorobenzene	Hexadecane	Benzolalanthracene	3-Methyl-4-chlorophenol / 4-chloro-3-		Creso(/ 4-Ch(oro-5-E	Octadecane		2,6-Dinitrotoluene	N-Nitrosodi-n-propylamine	Tridecane	Tetradecane	Heptadecane	Nonadecane	Heneicosane	Tricocana / n-Tricocana			Hexach lorocyclopentadiene	Isophorone	Acenaphthene	Diethyl phthelate	Di-n-butvi nhthalate	Dhenenthrene		Butyl benzyl phthalate	N-Nitrosodiphenylamine	
CA NO	- CE	120-83-2	121-16-2	120-00-00-00-00-00-00-00-00-00-00-00-00-0	0-00-621	131-11-3	132-64-9	101.24.2	7-47-141	1921-70-6	193-39-5	205-00-2			206-44-0	207-08-9		2-04-907	218-01-9	50-32-8	51-28-5	54-70-4			534-52-1		541-73-1	544-76-3	56-55-3	59-50-7			595-45-3		606-20-2	621-64-7	629-50-5	629-59-4	629-78-7	629-92-5	629-94-7	638-67-5	27-77-1	-21-10	5-15-11	78-59-1	83-32-9	84-66-2	84-74-2	85-01-8	7 67 70	42-00-7	86-30-6	
Meth/		S/Z/MS	7																																																			
Lab Aniv. No.	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	RL 52678-13																																																				

* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO 28-JAN-97

EPA Data Quals																																						
Data Quals																																						
Unit Flag Meas Codes	A 990 A 990 A 990	> > > 000000000000000000000000000000000	> > 550 550 550	> > 990 000	V DBU	> > 990		A 550	V DOU	7 DDO		V DOU	V DOU		OGG VB	V DOU	V 200	V 20U	v 990	V DOU	A 550	UGG VBD	NGG V	V 200	N 990	NGG V	UGG VB	UGG VBD		UGG BV	NGG V	NGG V	V 55U	NGG V	N 990	NGG V	NGG V	
Me Bo Conc	;	 M — u	;		LT 1	LT 3		1	LT 3	11		LT 3	LT 1	LT 1	4	5	M	M	4	īŪ	7	۰.	m	,- -	, -	-	,	-	16	•		LT 1	17 2	LT .2	11 1	LT 5	11	
Analyte Description	Fluorene / 9H-Fluorene Carbazole / 9H-Carbazole Hexachlorobutadiene / Hexachloro-1,3- butadiene	z,4,6-Trichlorophenol 2,4,6-Trichlorophenol 2-Nitroapiline	2-Nitropheno Northful and / Tor complex	2-Methylnaphthalene	2-Chloronaphthalene	3,3'-Dichlorobenzidine o-Cresol / 2-Cresol / 2-Methylohenol	1,2-Dichlorobenzene	2-Chlorophenol	2,4,5-Trichlorophenol	Nitrobenzene / Essence of mirbane /	Oil of mirbane	3-Nitroaniline	4-Bromophenyl phenyl ether	4-Chlorophenyl phenyl ether	Unknown compound 539	Unknown compound 563	Unknown compound 564		compound		Unknown compound 580		Unknown compound 586		Unknown compound 596	Unknown compound 603	Unknown compound 623		Diesel range organics	Lead	Gasoline range organics	Selenium	Thallium	Mercury	Antimony	Arsenic	Beryllium	
CAS No.	86-73-7 86-74-8 87-68-3	88-06-2 88-74-4	88-75-5	91-57-6	91-58-7	91-94-1 95-48-7	95-50-1	95-57-8	95-95-4	98-95-3		8-08-5																		7439-92-1		7782-49-2	7440-28-0	2439-97-6	7440-36-0	7440-38-2	7440-41-7	
Meth/ Matrix	SMV2/S																												DRO /S	GPB1/S					ICM1/S			
Lab Lab Anly. No.	52678-13																												52678-10									
Lab	R																												귙									
Sample Date	19-NOV-96																												19-NOV-96									
Depth	1.0																												2.0									
Field Sample No.	SM90101X																												SWW0102X	,								
Site	SS-M9-01																											,	SS-MM-01									•
Site Type	PLUG																																					•

* - Analyte Description has been truncated. See Data Dictionary

Site Site
Type ID
PLUG SS-WW-01

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO

	EPA Data	Quals																																											
	Data	Quals	:																																										
	Unit Flag	_			_	9 7		8A 550	> 990	^ 990	> 990	^ 990	A 550	> 990	> 550	> 990	A 590	> 990	7 990	> 990	> 990	· >	> 550	> 990	> 990	> 990	v 550		^ 99N	v 22U	> 550	> 000	> 500 000	> 500 C	> : 990	> > 990					> 99n	> 990	> 000	A 550	NGG V
	æ		:	- 1	26300	70000	15300	100	8.97	3410	LT 2	LT 1000		7.67	24.5	53.7	128	69.2	38500	. T.1	e. 11						ב		1.33			11 .5						. E.				11 .33	11 .33	1.5	
File Type: CSO 01-JAN-75 28-JAN-97		Analyte Description		Cadmium	Aluminum	Iron	Magnesium	Manganese	Nickel	Potassium	Silver	Sodium	Barium	Chromium	Cobalt	Copper	Vanadium	Zinc	Calcium	4-Nitroaniline	4-Nitrophenol	2.4-Dimethylphenol	D-Cresol / 4-Cresol / 4-Methylphenol		4-Chloroaniline	Bis(2-chloroisopropyl) ether	Phenol / Carbolic acid / Phenic acid	/ Phenylic acid / Phe*	Bis(2-chloroethyl) ether	Bis(2-chloroethoxy) methane	Bis(2-ethylhexyl) phthalate	Di-n-octyl phthalate	Hexachlorobenzene	Anthracene	1, Z, 4-1 richt or openzene	2 4-Dinitratelizate	Benta (def) phenenthrone / Byrane	Dimethy! chthalate	Dibenzofuran	Benzo [ahi] perylene	Indeno[1,2,3-C.D]pyrene	Benzo (b) f (uoranthene / 3.4-	Fluoranthene	Benzo[k] fluoranthene	Acenaphthylene
File Ty Date Range: 01-JAN-75		CAS No.		7440-43-9	7429-90-5	7439-89-6	7439-95-4	7439-96-5	7440-02-0	2440-09-7	7440-22-4	7440-23-5	7440-39-3	7440-47-3	7-87-077	7440-50-8	7440-62-2	9-99-0442	7440-70-2	100-01-6	100-02-7	105-67-9	106-44-5	106-46-7	106-47-8	108-60-1	108-95-2		111-44-4	111-91-1	117-81-7	117-84-0	118-74-1	7-21-021	1-70-071	121-14-2	120-00-0	131-11-3	132-64-9	191-24-2	193-39-5	205-99-2	206-44-0	207-08-9	208-96-8
Sampling	Meth/	Matrix		ICM1/S	ICP1/S															SMV2/S																									
	rab		•	RL 526/8-10																																									
	Sample	Date		96-AON-61																																									
		Depth	;	7.0																																									
	Field	Sample No.		SHWOTOEX																																									

* - Analyte Description has been truncated. See Data Dictionary

28-JAN-97

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75

Field Sample Sample Sample No. Depth Date Saw0102X 2.0 19-NOV-96

Site Site
Type ID
---PLUG SS-WM-01

EPA Data Quals	!																																									
Data Quals	:																																									
			> > 990 000		NGG V) o) out	V 250	v 55U	> 250 250	V 55U	V 55U	v 55U	A 550	N 550	NGG V	A 550	NGG V	V 55U	v 52U	NGG V	NGG V		NGG V	NGG V	NGG V	NGG V	NGG V	NGG V	NGG V	NGG V	NGG V	NGG V	NGG V	NGG V	V 20U		V 55U	A 550	NGG V	UGG VB
			9. 1.1		LT 1		3.5			1 .33	LT .33	_					LT .33		LT .33			LT .33			8. T	LT .33				LT .33				LT .33	LT .33				LT .8	1 .33	1 .33	9
					4,6-Dinitro-2-cresol / 2-Methyl-4,6-		o		/ 4-Chloro-3-		vlamine				_								Hexachlorobutadiene / Hexachloro-1,3- L										/ 2-Methylphenol				e of mirbane /		-		_	539
Analyte Description	Chrysene	Benzo [a] pyrene	2,4-Dinitrophenot Dibenz[ah]anthracene / 1.2:5.6-	0 ibenzanthracene	4,6-Dinitro-2-cre	dinitrophenol	1,3-Dichioropenzene	penzolajaniniacene	5-Methyl-4-chlorophenol cresol / 4-Chloro-3-m*	2.6-Dinitrotoluene	N-Nitrosodi-n-propylamine	Hexachloroethane	Hexachlorocyclopentadiene	Isophorone	Acenaphthene	Diethyl phthalate	Di-n-butyl phthalate	Phenanthrene	Butylbenzyl phthalate	N-Nitrosodiphenylamine	Fluorene / 9H-Fluorene	Carbazole / 9M-Carbazole	Hexachlorobutadie	butadiene	Pentachlorophenol	2,4,6-Trichlorophenol	2-Nitroaniline	2-Nitrophenol	Naphthalene / Tar camphor	2-Methylnaphthalene	2-Chloronaphthalene	3,3'-Dichlorobenzidine	o-Cresol / 2-Cres	1,2-Dichlorobenzene	2-Chlorophenol	2,4,5-Trichlorophenol	Nitrobenzene / Es	Oil of mirbane	3-Nitroaniline	4-Bromophenyl phenyl ether	4-Chlorophenyl phenyl	Unknown compound 539
CAS No.	218-01-9	50-32-8	53-70-3		534-52-1	R	24 I - 73 - I	20-22-3	7-04-64	606-20-2	621-64-7	67-72-1	7-47-4	78-59-1	83-32-9	84-66-2	84-74-2	85-01-8	85-68-7	86-30-6	86-73-7	8- 54-8	87-68-3		87-86-5	88-06-2	88-74-4	88-75-5	91-20-3	91-57-6	91-58-7	91-94-1	2-85-56	95-50-1	95-57-8	95-95-4	98-95-3		2-60-66			
	SMV2/S																																									
Lab Lab Anly. No.	RL 52678-10																																									

* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO

	EPA Data Quals											
	Dete (
	Unit Flag Meas Codes	066 VB	9A 550	9 0 000	av 550	8A 990	OBA 550	8A 990	av seu	> 990	> 590	v 25U
	Me Bo Conc	! 	~:	'n.	٠.	7	r.	٠.	8	9 E -2	-	? :
1-JAN-75 28-JAN-97	Analyte Description	Unknown compound 551	n compound 606	n compound 614	n compound 615	n compound 623		n compound 630	n compound 637	Unknown compound 640	099 punodwoo u	compound 671
01-JAN-7	Analyte	Unknom	Unknow	Unknow	Unknow	Unknow		Unknow	Unknoer	Unknow	Chkrose	Unknow
Date Range: 01-JAN-75	CAS No.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1										
Sampling D	Meth/ Matrix	SWV2/S										
	Lab Anly. No.	RL 52678-10										
	Sample Date	19-NOV-96										
	Depth	2.0										
	Field Sample No.	SIANO102X										
	Site 10	SS-WN-01										
	Site Type											

** End of Report - 626 Records Found **

* - Analyte Description has been truncated. See Data Dictionary

SOIL BORINGS - SUBSURFACE SOIL

ABB Environmental Services, Inc.

9890-05

W001976APP

EPA Data Quals

Data Quals

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO

	Unit Flag	c Meas Codes				
	Æ	Bo Conc	;	LT 4	2.55	u +-
Sampling Date Range: 01-JAN-75		Analyte Description		Diesel range organics	Lead	00: 40.000
Date Range		CAS No.			7439-92-1	
Sampling	Meth/	Matrix		DRO /S	GPB1/S	9
	Lab	Lab Anly. No. Matrix CAS No.		RL 52678-01		
	Sample	Sample No. Depth Date	1 1 1	19-NOV-96		
		Depth	1 1 1	12.0		
	Field	Sample No.		B080112X		
	Site	9	:	SB-08-01		
		Туре				

DRO /8 GPB1/S GPB1/S GPB1/S GRA-9-2-1 GRA-9-2-2 GRA-9-2-3-3-3-40-2 GRA-1-7 G	. NO.	Matrix	CAS NO.	Analyte Description	2 :	Conc	Meas	، د
7439-92-1 Lead trange organics 1758-49-2 Selenium Gasoline range organics 1778-49-2 Selenium Gasoline range organics 1778-40-28-0 Thatlium 1740-38-2 Antenium 1740-38-2 Antenium 1740-41-7 Beryllium 1740-42-9 Gasolium 1740-42-9 Aluminum 1740-42-9 Aluminum 1750-440-9-2 Aluminum 1750-9-8 Aluminum 1750-9-8 Aluminum 1750-9-8 Aluminum 1750-9-8 Aluminum 1750-9-8 Aluminum 1750-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9-9		3/ 040		Coord and a coord	<u> </u>	7	9	>
Gasoline range organics 7782-49-2 Setenium 7440-36-0 Tabalium 1470-36-0 Tabalium 1470-36-0 Tabalium 1470-36-0 Tabalium 1470-36-0 Tabalium 1470-37-0 Tabalium 1750 T440-43-9 Tabalium 1750 T440-43-9 Tabalium 1750 T440-02-0 Tabalium 1750 T440-02-0 Tabalium T550 T440-02-0 T440-02-		GPB1/S	7439-92-1		;	2.55	990	> 00
7782-49-2 Setenium 7782-49-2 Setenium 7440-38-0 Thatlium 7440-38-0 Antimony 7440-36-0 Antimony 7440-41-7 Beryllium 7440-41-7 Beryllium 7450-90-5 Aluminum 7439-90-5 Aluminum 7439-90-5 Aluminum 7439-90-5 Aluminum 7439-90-5 Aluminum 7439-90-5 Aluminum 7439-90-5 Aluminum 7439-90-6 Tron 7439-90-6 Tron 7439-90-7 Magnesium 7440-00-0 Nickel 7440-00-0 Nickel 7440-00-0 Nickel 7440-20-0 Nickel 7440-20-0 Nickel 7440-47-3 Sodium 7440-47-3 Sodium 7440-47-3 Sodium 7550 7440-48-4 Cobalt 7440-48-4 Cobalt 7440-50-8 Copper 7440-60-0 Zinc 7440-60-1 A-Nitrophenol 11 .33 106-46-7 1,4-Dichlorobenzene 11 .33		GRO /S		ine		5.	990	>
7440-28-0 Thailium IT 2 7440-28-0 Antium IT 2 7440-38-0 Antium IT 2 7440-38-0 Antium IT 2 7440-41-7 Arsenic 7440-43-9 Cachium 7429-90-5 Aluminum IT 2 7440-43-9 Cachium 7439-95-4 Magnesium IT 2 7440-09-7 Potassium IT 1000 7440-09-7 Potassium IT 1000 7440-22-4 Silver IT 1000 7440-23-5 Sodium IT 1000 7440-23-5 Sodium IT 1000 7440-39-3 Barium IT 1000 7440-47-3 Chromium IT 1000 7440-62-2 Sodium IT 1000 7440-62-2 Cacium IT 1000 7440-6-6 Zinc IT 8 7440-6-6 Zinc IT 8 7440-6-6 Zinc IT 8 7440-6-7 A-Witrophenol IT 8 7450-6-6 Zinc IT 8 7460-6-7 A-Witrophenol IT 33 766-6-7 1,4-Dichlorobenzene IT 3 766-6-7 1,4-Dichlorobenzene IT 33 766-7 1,4-Dichlorobenzene IT 33 766-6-7 1,4-Dichlorobenzene IT 33 766-6-7 1,4-Dichlorobenzene IT 33 766-6-7 1,4-Dichlorobenzene IT 33 767 767 767 767 767 767 767 767 767 7		GSE1/S	2-67-2822	Selenium	: <u>-</u>		991	>
7439-97-6 Mercury 7439-97-6 Antimony 7440-36-0 Antimony 7440-36-0 Antimony 7440-47-7 Beryllium 7429-90-5 Aluminum 7439-95-4 Magnesium 7439-95-4 Magnesium 7439-95-4 Magnesium 7439-95-4 Magnesium 7439-95-5 Manganese 7440-09-7 Potassium 7440-09-7 Potassium 7440-09-7 Potassium 7440-22-4 Silver 7440-39-3 Barium 7440-39-3 Barium 7440-47-3 Chromium 7440-48-4 Cobalt 7440-50-8 Copper 7440-6-6 Zinc 7440-6-6-0 Zinc 7440-6-6-0 Zinc 7440-6-6-0 Zinc 7440-6-6-0 Zinc 7440-70-0 Zinc 7440-70-0 Zinc 7440-70-0 Zinc 7440-70-0 Zinc 7440-6-6-0 Zinc 7440-70-1 Zinc 7440-70-1 Zinc 7440-70-1 Zinc 7440-70-1 Zinc 7450-70-1 Zinc 7450-70-1 Zinc 7450-70-1 Zinc 7450-70-1 Zinc 7460-6-0 Zinc 7460-70-1 Zinc 7460-7 Zinc		GTL1/S	7440-28-0	Thattium	: =	. ~	990	>
7440-36-0 Antimony Actions Actions Actions Actions Actions Actions Actions Actions Action Actions Actions Actions Actions Actions Actions Actions Action Actions		HGC1/6	9-20-0272		_		9	>
7440-38-2 Arsenic 7440-38-2 Arsenic 7440-38-2 Arsenic 7440-477 Beryllium 1.316 7420-47-7 Beryllium 2.316 7420-43-9 Cadmium 2.316 7420-80-5 Atuminum 2.316 7420-80-5 Iron 2.3300 7439-96-5 Manganese 2.3300 7439-96-5 Manganese 17500 7439-96-5 Manganese 2.330 7440-09-7 Potassium 1.1 1000 7440-09-7 Potassium 1.1 1000 7440-23-5 Sodium 1.1 1000 7440-23-5 Sodium 1.2 7440-39-3 Barium 1.2 7440-48-4 Cobalt 2.4 7440-62-2 Vanadium 2.4 7440-70-2 Calcium 1.1 33 100-02-7 1.4 -0 ichlorobenzene 1.1 33 106-44-5 p-Cresol / 4-Cresol / 4-Cresol / 1-Cresol / 1-1 33 106-47-8 1.1 33 108-60-7 Phenol / Carbolic acid / Phenic acid / Phe		1CM1/S	7440-36-0	Antimony	: =	i <	990	۰>
7440-41-7 Bervillium 7440-41-7 Cadmium 7440-43-9 7440-43-9 7440-43-9 7430-90-5 Aluminum 7439-95-4 Magnesium 7439-95-4 Magnesium 7440-02-0 Nickel 7440-02-7 Potassium 7440-02-4 Silver 7440-23-5 Sodium 7440-23-5 Sodium 7440-39-3 Barium 7440-48-4 Cobalt 7440-48-4 Cobalt 7440-65-6 Zinc 7440-65-6 Zinc 7440-70-2 Calcium 7100-01-6 4-Nitrophenot 7100-01-6 4-Nitrophenot 7100-01-6 4-Nitrophenot 7100-01-7 4-Nitrophenot 7100-01-7 14-Dichlorobenzene 7100-65-9 p-Cresol / 4-Cresol / 4-Methylphenol 710-64-5 1-6-Dichlorobenzene 710-64-7 1-6-Dichlorobenzene 710-64-7 1-7-Dichlorobenzene 710-64-7 1-7-Dichlorobenzene 710-64-7 1-7-Dichlorobenzene 710-65-7 1-7-Dichlorobenzene 710-65-7 1-7-Dichlorobenzene 710-66-7 1-7-Dichlorobenzene 710-7 1-7-Dichlorobenzene 710-66-7 1-7-Dichlorobenzene 710-67-7 1-7-Dichlorobenzene 710-7 1-7-Dichlorobenzene 710			7440-38-2	Arsenic	;	2.57	991	>
7440-43-9 Cadmium 25400 7430-90-5 Aluminum 253400 7430-90-5 Iron 51000 7430-95-4 Magnesium 17500 7430-95-4 Magnesium 17500 7430-92-6 Nickel 17500 7440-02-7 Potassium 17700 7440-23-5 Sodium 17700 7440-23-5 Sodium 17500 7440-47-3 Chromium 26-28 7440-48-4 Cobalt 1750 7440-48-4 Cobalt 25-4 7440-48-5 Copper 1740-60-6 7440-70-2 Catcium 1730 7440-70-2 Catcium 1733 7440-70-2 Catcium 1733 7460-6-6 Zinc 7460-60-6 7460-6-6 Zinc 7460-60-1 7460-6-7 Zinc 7460-60-1 7460-6-8 Zinc 7460-60-1 7460-6-9 7			7440-41-7	Bervilium		.316	99	• >
7429-90-5 Aluminum 25400 7439-89-6 Iron 54700 7439-95-4 Magnesium 17500 7439-96-5 Manganese 17500 7439-96-5 Manganese 17500 7439-96-5 Manganese 17500 7440-02-0 Nickel 17500 7440-02-1 Silver 17 1000 7440-22-4 Silver 17 1000 7440-23-5 Sodium 17500 7440-39-3 Barium 1750 7440-48-4 Cobalt 1750 7440-62-2 Vanadium 62-8 7440-62-2 Vanadium 66-8-8 7440-62-2 Vanadium 1792 7440-62-2 Calcium 1733 740-0-1-6 4-Nitroaniline 17 33 740-0-1-6 4-Nitroaniline 17 33 740-7-9 2,4-Dimethylphenol 17 33 740-64-5 p-Cresol / 4-Cresol / 4-Methylphenol 17 33 740-64-5 p-Cresol / 4-Cresol / 4-Methylphenol 17 33 740-64-5 p-Cresol / 4-Cresol / 4-Methylphenol 17 33 740-65-7 p-Cresol / 4-Cresol / 4-Methylphenol 17 33 740-64-5 p-Cresol / 4-Cresol / 4-Methylphenol 17 33 740-64-5 p-Cresol / 4-Cresol / 4-Methylphenol 17 33 740-65-7 p-Cresol / 4-Cresol / 4-Methylphenol 17 33 740-			2440-43-9	Cadmium	5		990	>
7439-89-6 Iron 51000 7439-95-4 Magnesium 17500 7439-95-5 Manganese 51000 7439-96-5 Manganese 957 7440-02-0 Nickel 171000 7440-09-7 Potassium 171000 7440-03-5 Sodium 17500 7440-23-5 Sodium 17500 7440-48-4 Cobalt 1750 7440-66-6 Zinc 1760 7440-67-7 Zinc 1760 7440-66-6 Zinc 1760 7440-67-7 Zinc 1760 7440-7 Zinc 1760 7440-7 Zinc 1760 7440-7 Zinc 1760		ICP1/S	7429-90-5	Atuminum	i	25400	DOU	>
7439-96-6 Iron 7439-96-7 Hagnesium 17500 7439-96-5 Manganese 747100 7439-96-5 Manganese 957 7440-02-0 Nickel 1740-09-7 Potassium 171000 7440-02-4 Silver 171000 7440-23-5 Sodium 17500 7440-23-5 Sodium 17500 7440-48-4 Cobalt 1750 7440-66-6 Cobalt 1750 7440-66-6 Zinc 1760 7440-66-6 Zinc 1770 7440-70-2 Zinc 1770 7440-70-70-70-70 7440-70-70-70-70 7440-70-70-70 7440-70-70-70 7440-70-70 7440-70-70 7440-70-70 7440-70 7440-70 7440-70 7440-70 7440-70 7						24300	99N	>
7439-95-4 Magnesium 17500 7439-96-5 Manganese 18200 7439-96-5 Manganese 18200 7440-02-0 Nickel 34.7 7440-09-7 Potassium 17 1000 7440-22-4 Silver 17 1000 7440-23-5 Sodium 17 1000 7440-39-3 Barium 17 1000 7440-47-3 Chromium 17 1000 7440-48-4 Cobalt 17 1000 7440-48-4 Cobalt 17 1000 7440-60-2 Vanadium 17 1000 7440-60-2 Vanadium 17 1000 7440-60-2 Calcium 17 1000 7440-60-3 Zinc 17 1000 7440-60-4 Zinc 17 1000 7440-60-5 Zinc 17 1000 7440-60-6 Zinc 17 1000 7440-60-7 Zinc 17 1000 7440-60-1 Zinc 17 133 7460-60-1 Zinc 17 1900 7480-60-1 Zinc 17 233 7480-60-1 Zinc 17 233 7480-60-1 Zinc 17 233 7480-60-1 Zinc 17 2400 7480-60-1 Zinc			2439-89-6	Iron		51000	ngg	5
7439-95-4 Magnesium 17500 7439-96-5 Manganese 957 7440-02-0 Nickel 17 1000 7440-22-4 Silver 17 1000 7440-23-5 Sodium 17 1000 7440-23-5 Sodium 17 1580 7440-48-4 Cobalt 17 1580 7440-48-4 Cobalt 17 1580 7440-65-2 Vanadium 62.8 7440-65-2 Vanadium 62.8 7440-65-2 Vanadium 17 192 7440-66-6 Zinc 17 1000 7440-66-6 Zinc 17 18 17 18 18 106-67-9 2,4-Dimethylphenol 17 18 17 18 106-67-9 2,4-Dimethylphenol 17 18 17 18 17 106-67-9 17 19 106-67-9 17 19 106-67-9 17 19 11 11 11 11 11 11 11 11 11 11 11 11				•		47100	OGG	>
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740-02-0 Nickel 7440-02-7 Potassium 7440-09-7 Potassium 7440-22-4 Silver 7440-23-5 Sodium 7440-39-3 Barium 7440-47-3 Chromium 7440-48-4 Cobalt 7440-48-4 Cobalt 7440-62-2 Vanadium 7440-62-2 Vanadium 7440-62-2 Vanadium 7440-65-2 Inc 7440-65-2 Calcium 7440-65-4 Linc 7440-65-5 Linc 7440-65-5 Linc 7440-65-5 Linc 7440-65-7 Linc 7450-65-8 Linc 7460-65-7 Li			7/.70-04-5	N COCCO		18200	990	> 5
7440-02-0 Nickel 7440-09-7 Potassium 1740-09-7 Potassium 1740-22-4 Silver 1740-23-5 Sodium 1740-23-5 Sodium 1740-23-3 Barium 1740-39-3 Barium 1740-47-3 Chromium 1740-48-4 Cobalt 1740-62-2 Vanadium 1740-62-2 Vanadium 1740-62-2 Vanadium 1740-66-6 Zinc 1740-66-6 Zinc 1740-66-6 Zinc 1740-66-6 Zinc 1740-66-6 Zinc 1740-66-7 Zinc 1740-66-8 Zinc 1740-66-9 Zinc 1740-66-1 Zinc 1740-66-1 Zinc 1740-66-1 Zinc 1753 1760-67-9 Zinc 1750-67-9 Zinc 1750-7-1 Zinc 1750			200 451			228	990	5
7440-09-7 Potassium LT 1000 7440-22-4 Silver LT 2 7440-23-5 Sodium 1580 7440-39-3 Barium 1580 7440-47-3 Chromium 152 7440-48-4 Cobalt 24.4 7440-50-8 Copper 25.4 7440-62-2 Vanadium 69.8 7440-66-6 Zinc 7440-66-6 Zinc 7440-66-6 Zinc 7440-60-70-2 Calcium 192 7440-70-2 Calcium 14000 100-01-6 4-Nitrophenol LT .8 100-02-7 4-Nitrophenol LT .3 106-44-5 p-Cresol / 4-Methylphenol LT .3 106-46-7 1,4-Dichlorobenzene LT .3 106-47-8 4-Chloroaniline LT .33 106-47-8 4-Chloroaniline LT .33 108-60-1 Bis(2-chloroisopropyl) ether LT .33 108-95-2 Phenol / Carbolic acid / Phenic acid / Phenic acid / Phenis			7440-02-0	Nickel		34.7	990	>
17440-22-4 Silver LT 2 7440-23-5 Sodium 1580 7440-23-5 Sodium 1580 7440-39-3 Barium 1580 7440-47-3 Chromium 152 7440-48-4 Cobalt 24.4 7440-62-2 Vanadium 62.8 7440-62-2 Vanadium 69.8 7440-66-6 Zinc 192 7440-66-6 Zinc 69.8 7440-66-6 Zinc 192 7440-66-7 Zinc 192 7460-67-7 Zinc 193 7460-67-7 Zinc 192 7460-67-7 Zinc 192 7460-67-7 Zinc 192 7460-70-70-70-70-70-70-70-70-70-70-70-70-70			2440-09-7	Potassium	ב	1000	บอด	>
7440-22-4 Silver 7440-23-5 Sodium 7440-23-5 Sodium 7440-39-3 Barium 7440-48-4 Cobalt 7440-48-4 Cobalt 7440-50-8 Copper 7440-60-2 Vanadium 7440-60-6 Zinc 7440-60-6 Zinc 7440-60-6 Zinc 7440-60-70-2 Calcium 7440-70-2 Calcium 7440-70-2 Calcium 7440-70-2 Calcium 7440-70-70-7 4-Nitrophenol 7440-70-7 4-Dimethylphenol 745-7-9 2,4-Dimethylphenol 746-7-9 1,4-Dichlorobenzene 746-7 746-60-7 1,4-Dichlorobenzene 746-7 746-60-7 1,4-Dichlorobenzene 746-7 7					=	1000	99n	>
7440-23-5 Sodium 1580 7440-39-3 Barium 1580 7440-48-4 Cobalt 152 7440-50-8 Copper 62.4 7440-65-6 Zinc 192 7440-66-6 Zinc 192 7440-67-70-2 Calcium 192 7440-70-2 Calcium 192 7440-70-2 Calcium 192 7440-70-1 Calcium 193 7440-70-1 Calcium 193 7440-70-1 Calcium 193 7440-70-2 Calcium 193 7440-70-2 Calcium 193 7440-70-2 Calcium 193 7440-70-3 LI .8 7450-70-3 LI .8 7450-70-3 LI .8 7450-70-3 LI .33 750-70-3 LI .33 750-7 LI			7440-22-4	Silver	5	2	99n	>
7440-25-5 Sodium 1350 7440-39-3 Barium 1350 7440-47-3 Chromium 62.8 7440-48-4 Cobalt 24.4 7440-62-2 Vanadium 24.4 7440-66-6 Zinc 7440-66-6 Zinc 69.8 7440-67-7 Calcium 14000 100-01-6 4-Nitrophenol 17.8 100-02-7 4-Dimethylphenol 17.33 106-44-5 p-Cresol / 4-Cresol / 4-Methylphenol 17.33 106-46-7 1,4-Dichlorobenzene 17.33 106-46-7 1,4-Dichlorobenzene 17.33 108-60-1 Bis(2-chloroisopropyl) ether 17.33 108-95-2 Phenol / Carbolic acid / Phenic acid / Phenic acid / Phenis				<u>:</u>		44.1	990	> :
7440-39-3 Barium 152 7440-47-3 Chromium 62.8 7440-48-4 Cobalt 24.4 7440-62-2 Vanadium 24.4 7440-65-6 Zinc 7440-66-6 Zinc 69.8 7440-67-0-2 Calcium 192 7440-70-2 Calcium 14000 100-01-6 4-Nitrophenol 17.8 105-67-9 2,4-Dimethylphenol 17.33 106-44-5 p-Cresol / 4-Cresol / 4-Methylphenol 17.33 106-46-7 1,4-Dichlorobenzene 17.33 106-46-7 1,4-Dichlorobenzene 17.33 108-60-1 Bis(2-chloroisopropyl) ether 17.33 7 Phenol / Carbolic acid / Phenic acid acid acid acid acid acid acid ac			7440-23-5	Sodium		1580	300	> >
7440-37-3 Barilum 7440-47-3 Chromium 7440-48-4 Cobalt 7440-68-2 Cobalt 7440-62-2 Vanadium 7440-66-6 Zinc 7440-66-6 Zinc 7440-70-2 Calcium 7440-70-2 Calcium 7440-70-2 Calcium 7440-70-2 Calcium 7440-70-2 Calcium 7460-67-7 4-Nitrophenol 7460-7-7 4-Dimethylphenol 71.8 71.00 71.4-Dimethylphenol 71.33 71.4-Dichlorobenzene 71.33 71.33			2 02 07/2			1350	200	> >
7440-47-3 Chromium 62.8 7440-48-4 Cobalt 7440-50-8 Copper 7440-62-2 Vanadium 69.8 7440-66-6 Zinc 69.8 7440-66-6 Zinc 192 7440-70-2 Calcium 14000 100-01-6 4-Nitrophenol 17.8 100-02-7 4-Nitrophenol 17.8 105-67-9 2,4-Dimethylphenol 17.33 106-44-5 p-Cresol / 4-Cresol / 4-Methylphenol 17.33 106-46-7 1,4-Dichlorobenzene 17.33 106-47-8 4-Chloroaniline 17.33 108-60-1 Bis(2-chloroisopropyl) ether 17.33 / Phenylic acid / Phenic acid / Phenic acid / Phenic acid / Phenis			C-6C-044/			152	999	> >
7440-48-4 Cobalt 24.4 7440-50-8 Copper 7440-62-2 Vanadium 7440-66-6 Zinc 7440-66-6 Zinc 7440-70-2 Calcium 100-01-6 4-Nitrophenol 100-02-7 4-Nitrophenol 105-67-9 2,4-Dimethylphenol 106-44-5 p-Cresol / 4-Cresol / 4-Methylphenol 11 .33 106-46-7 1,4-Dichlorobenzene 106-47-8 4-Chloroaniline 108-60-1 Bis(2-chloroisopropyl) ether 108-60-1 Phenol / Carbolic acid / Phenic acid acid acid acid acid acid acid ac			7440-47-3	Chromium		62.8	990	· >
251 7440-50-8 Copper 7440-62-2 Vanadium 7440-62-2 Vanadium 7440-66-6 Zinc 7440-66-6 Zinc 7440-70-2 Calcium 100-01-6 4-Nitrophenol 100-02-7 4-Nitrophenol 105-67-9 2,4-Dimethylphenol 106-44-5 p-Cresol / 4-Cresol / 4-Methylphenol 11 .33 106-46-7 1,4-Dichlorobenzene 106-46-8 4-Chloroaniline 106-47-8 4-Chloroaniline 11 .33 108-60-1 Bis(2-chloroisopropyl) ether 108-95-2 Phenol / Carbolic acid / Phenic acid / Phenis acid / Phenis acid / Phenis			7440-48-4	Cobalt		24.4	990	>
7440-50-8 Copper 7440-50-8 Copper 7440-62-2 Vanadium 192 7440-62-2 Vanadium 69.8 7440-66-6 Zinc 69.8 7440-66-6 Zinc 14000 7440-70-2 Calcium 31300 100-02-7 4-Nitrophenol LT .8 LT .8 105-67-9 2,4-Dimethylphenol LT .33 106-44-5 p-Cresol / 4-Cresol / 4-Methylphenol LT .33 106-46-7 1,4-Dichlorobenzene LT .33 106-47-8 4-Chloroaniline LT .33 108-60-1 Bis(2-chloroisopropyl) ether LT .33 108-95-2 Phenol / Carbolic acid / Phenic						251	ออก	>
7440-62-2 Vanadium 192 7440-66-6 Zinc 69.8 7440-66-6 Zinc 69.8 7440-70-2 Calcium 31300 100-01-6 4-Nitrophenol LT .8 100-02-7 4-Dimethylphenol LT .33 106-44-5 p-Cresol / 4-Cresol / 4-Methylphenol LT .33 106-46-7 1,4-Dichlorobenzene LT .33 106-46-7 1,4-Dichlorobenzene LT .33 106-47-8 4-Chloroaniline LT .33 108-60-1 Bis(2-chloroisopropyl) ether LT .33 108-95-2 Phenol / Carbolic acid / Phenic acid / Phenis			7440-50-8	Copper		48.5	990	>
7440-66-6 Zinc 69.8 7440-66-6 Zinc 14000 7440-70-2 Calcium 31300 100-01-6 4-Nitrophenol LT .8 105-67-9 2,4-Dimethylphenol LT .33 106-44-5 p-Cresol / 4-Cresol / 4-Methylphenol LT .33 106-44-5 p-Cresol / 4-Cresol / 4-Methylphenol LT .33 106-46-7 1,4-Dichlorobenzene LT .33 106-47-8 4-Chloroaniline LT .33 108-60-1 Bis(2-chloroisopropyl) ether LT .33 108-95-2 Phenol / Carbolic acid / Phenic acid / Phenis acid / Phenis acid / Phenic acid			7440-62-2	Vanadium		192	ยอก	>
7440-70-2 Calcium 31300 100-01-6 4-Nitroaniline LT .8 100-02-7 4-Nitrophenol LT .8 105-67-9 2,4-Dimethylphenol LT .33 106-44-5 p-Cresol / 4-Cresol / 4-Methylphenol LT .33 106-46-7 1,4-Dichlorobenzene LT .33 106-46-7 4-Chloroaniline LT .33 108-60-1 Bis(2-chloroisopropyl) ether LT .33 108-95-2 Phenol / Carbolic acid / Phenic acid / LT .33			7440-66-6	Zinc		8.69	990	>
100-01-6			7440-70-2	Calcium		14000	ออก	>
100-01-6		,				31300	กรู	>
4-Nitrophenol 2,4-Dimethylphenol 2,4-Dimethylphenol LT.33 p-Cresol / 4-Cresol / 4-Methylphenol LT.33 1,4-Dichlorobenzene 4-Chloroaniline Bis(2-chloroisopropyl) ether LT.33 Phenol / Carbolic acid / Phenic acid LT.33		SMV2/S	100-01-6	4-Nitroaniline	<u>=</u> :	٠ •	99	>
2,4-Dimernylphenol C,4-Dimernylphenol LT.33 1,4-Dichlorobenzene LT.33 4-Chloroaniline Bis(2-chloroisopropyl) ether LT.33 Phenol / Carbolic acid / Phenic acid LT.33			100-02-7	4-Nitrophenol	<u>:</u> :	æ. t	990	> :
p-Cresol / 4-Cresol / 4-Methylphenol LT .33 1,4-Dichlorobenzene LT .33 4-Chloroaniline LT .33 Bis(2-chloroisopropyl) ether LT .33 Phenol / Carbolic acid / Phenic acid LT .33			6-/9-cnl	Z,4-Uimetnylphenol	-	٠. ا	ออก	>
1,4-Dichlorobenzene 1,4-Dichloroaniline 4-Chloroaniline Bis(2-chloroisopropyl) ether Phenol / Carbolic acid / Phenic acid LT .33			106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	5!	.33	990	>
4-Chloroaniline Bis(2-chloroisopropyl) ether Phenol / Carbolic acid / Phenic acid LT .33 / Phenylic acid / Phe*			106-46-7	1,4-Dichlorobenzene	5!	55:	990	> :
Bis(Z-chioroisopropyl) ether Phenol / Carbolic acid / Phenic acid LT .33 / Phenylic acid / Phe*			106-47-8	4-Chloroaniline	: ב	.s.	990	> :
Phenol / Carbolic acid / Phenic acid LT .33 / Phenylic acid / Phe*			108-60-1	Bis(2-chloroisopropyl) ether	5!	.33	990	> :
			108-95-2	Phenol / Carbolic acid / Phenic acid / Phenylic acid / Phe*	5	.53	000	>

* - Analyte Description has been truncated. See Data Dictionary

Site Type

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75

EPA Data Quals																																												
Data Quals																																												
Unit Flag Meas Codes	. >	A 990	> 290	> 99n	> 55U	A 990	^ 99n	> 550	> 990	> 550	> 990	> 990	> 990	A 990	> 99n		> 990	> 990	> 990 0	> 990	> pgn	> 99n	> 99n		> 99n		> 990	> 550 0	> 550		> 55U	> 990	> 990	> 99n	> 990 0	> 990	> 99n	> 990	> 990	> 550	> 990	> 990	> 990	
Me Bo Conc			L1 .33					11 .33					LT .6		11 .33		L1 .33					LT .8			LT 1				5				11 .33					11 .33				LT .33		
Analyte Description	Bis(2-chloroethyl) ether	Bis(2-chloroethoxy) methane	Bis(2-ethylhexyl) phthalate	Di-n-octyl phthalate	Hexach orobenzene	Anthracene	1,2,4-Trichlorobenzene	2,4-Dichlorophenol	2,4-Dinitrotoluene	Benzo (def) phenanthrene / Pyrene	Dimethyl phthalate	Dibenzofuran	Benzo [ghi] perylene	Indeno[1,2,3-C,D]pyrene	Benzo [b] fluoranthene / 3,4-	Benzofluoranthene	Fluorenthene	Benzo [k] fluoranthene	Acenaph thy lene	Chrysene	Benzo (a) pyrene	2,4-Dinitrophenol	Dibenz[ah]anthracene / 1,2:5,6-	Dibenzanthracene	4,6-Dinitro-2-cresol / 2-Methyl-4,6-	dinitrophenol	1,3-Dichlorobenzene	Benzo (a) anthracene	3-Methyl-4-chlorophenol / 4-chloro-3-	cresol / 4-Chloro-3-m*	2,6-Dinitrotoluene	N-Nitrosodi-n-propylamine	Hexachloroethane	Hexachlorocyclopentadiene	Isophorone	Acenaph thene	Diethyl phthalate	Di-n-butyl phthelate	Phenanthrene	Butylbenzyl phthalate	N-Nitrosodiphenylamine	Fluorene / 9M-Fluorene	Carbazole / 9M-Carbazole	
CAS No.	111-44-4	111-91-1	117-81-7	117-84-0	118-74-1	120-12-7	120-82-1	120-83-2	121-14-2	129-00-0	131-11-3	132-64-9	191-24-2	193-39-5	205-99-2		206-44-0	207-08-9	208-96-8	218-01-9	50-32-8	51-28-5	53-70-3		534-52-1		541-73-1	56-55-3	29-50-7		606-20-2	621-64-7	67-72-1	77-47-4	78-59-1	83-32-9	84-66-2	84-74-2	85-01-8	85-68-7	86-30-6	86-73-7	86-74-8	87-68-3
Meth/ Natrix	SHV2/S																																											
Lab Anly. No.																																												
Sample Depth Date	-																																											
Field Sample No.	B080112X																																											
site 10	E SB-08-01																																											

* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75 28-JAN-97

Data Quals	
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### didididididididididididididididididi	45.7 LT 1000 LT 2
Analyte Description	Nickel Potassium Silver
CAS No. 17.10-1	7440-02-0 7440-09-7 7440-22-4
Meth/ Matrix SWV2/S SW0 /S GPB1/S GRO /S GRO /S ICM1/S ICM1/S	
Lab b Anly. No. 52678-01	;
Sample Date Lat 19-NOV-96 RL	
12.0	
Field Sample No. B080112X	
Site Site 1D 10 10 10 10 10 10 10 10 10 10 10 10 10	-

* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO

	EPA Data	Quals																																												
	Data	Quals																																												
	Unit Flag	Meas Codes	_	> 590	> 55U	NGG V	> 590	^ 99N	> > 991	> >	> > 991	> > 990	990							7 250	> 550	A 590	> 290	· > 990	-		> >			> 990			> 000	> 99n						> 990	> 990	^ 99N		> 990		> 250
	ă.	Bo Conc		169	48.8	26.2	56.2	131	7 29	13600	~ = =	e e e			11.33			-	i	17 .33			5:					13				LT .6	5. 7.			LT .33				LT .33			,	11 1		
01-JAN-75 28-JAN-97		Analyte Description	Sodium	Barium	Chromium	Cobalt	Copper	Vanadius	Zine	Calcius	4-Witrosniline	4-Nitrophenol	2.4-Dimethylphenol	p-Cresol / 4-Cresol / 4-Methylphenol	1,4-Dichlorobenzene	4-Chloroeniline	Bis(2-chloroisopropyl) ether	Phenol / Carbolic acid / Phenic acid	/ Phenylic acid / Phe*	Bis(2-chloroethyl) ether	Bis(2-chloroethoxy) methane	Bis(2-ethylhexyl) phthalate	Di-n-octyl phthalate	Hexachlorobenzene	Anthracene	1.2.4-Trichtorobenzene	2.4-Dichlorophenol	2.4-Dinitrotoluene	Benzo (def) phenanthrene / Pyrene	Dimethyl phthalate	Dibenzofuran	Benzo [ghi] perylene	Indeno[1,2,3-C,0]pyrene	Benzo[b]fluorenthene / 3,4-	Benzofluoranthene	Fluoranthene	Benzo [K] † Luoranthene	Acenaphthyl ene	Chrysene	Benzo (a) pyrene	2,4-Dinitrophenol	Dibenz (ah) anthracene / 1,2:5,6-	Dibenzanthracene	4,6-Dinitro-2-cresol / 2-Methyl-4,6-	ainitrophenoi 1 Z-nickionatene	ו, של וכווטו שפוגמופ
Sampling Date Range: 01-JAN-75	;	CAS No.	7440-23-5	7440-39-3	7440-47-3	7440-48-4	7440-50-8	7440-62-2	9-99-077	7440-70-2	100-01-6	100-02-7	105-67-9	106-44-5	106-46-7	106-47-8	108-60-1	108-95-2		111-44-4	111-91-1	117-81-7	117-84-0	118-74-1	120-12-7	120-82-1	120-83-2	121-14-2	129-00-0	131-11-3	132-64-9	191-24-2	193-39-5	202-99-2	;	206-44-0	A-90-J02	208-96-8	218-01-9	50-32-8	51-28-5	53-70-3		1-24-954	541-74-1	
Sampling	Heth/	Hatrix									SWV2/S																																			
-	Lab	Lab Anty. No.																																												
	Sample	Vate	19-NOV-96																																											
	4	Deptu	12.0																																											
	Field	sample No.	B080212X																																											
	Site	2	SB-08-02																																											
	Site	<u> </u>	BORE																																											

* - Analyte Description has been truncated. See Data Dictionary

Field Sample No. 1

Site Site
Type ID
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BORE SB-08-02

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO 28-JAN-97

	EPA Data Quals																																															
	Data																																															
	Unit Flag Meas Codes			990	2	> >	> :	7 990	7 000	NGG V	v 550	V 50U	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	7 990	· > 990	> 251	• > 251	> > 500	> > 990	> 500	:	N 990	7 99N	7 55U	v 200	7 990	A 990	> 250	> 201	200	V 50 .	7 500 C	0 og 0	> 55U	V 22U		A 550	A 550	A 550	NGG VB		v 55U	8A 550		UGG VB			
	Me Bo Conc	22 +1	; <u>:</u>	5	77 1							LT .33	LT .33						; <u> </u>	5		 8.	•			L1 .33		11 :33				?: :		8. ⊥.	LT .33				LT .33	9		ш	9 E -2	1	-	4.	9	4.
	Analyte Description		Z-Mother - / - oh combone / / oh com Z	S-metnyt-4-chiorophenot / 4-chioro-3-	2 4-0:n:+no+ol:.ono	A Just the country of the second of the seco	אייאירו וייים אוריים וייים איים איים איים איים איים איים	Hexachloroethane	Hexachlorocyclopentadiene	Isophorone	Acenaphthene	Diethyl phthalate	Di-n-butyl phthalate	Phenanthrene	Butvibenzyl phthalate	N-Nitrosodiphenylamine	Flincene / OK-Flincene	Carbarole / Ou-Carbarole	Heyechlorobutediene / Heyechloro-1 3-	nevaciful oparaulerie / nevaciful o- 1,3-	butadiene	Pentachlorophenol	2,4,6-Trichlorophenol	2-Nitroaniline	2-Nitrophenol	Naphthalene / Tar camphor	2-Methylnaphthalene	2-Chloropaphthalene	Z Z/-Diohlonobonzidino	5,5°°Dichiopenziquie	o-cresol / z-cresol / z-metnylphenol	1,2-Ulch(orobenzene	Z-Chlorophenol	2,4,5-Trichlorophenol	Nitrobenzene / Essence of mirbane /	Oil of mirbane	3-Nitroaniline	4-Bromophenyl phenyl ether	4-Chlorophenyl phenyl ether	Unknown compound 539	Unknown compound 548				compound	Unknown compound 615	Unknown compound 623	-
•	CAS No.	54.55.3	10-01-01 10-10-01	1-06-66	404.30.3	421-44-7	1-40-170	1-72-19	77-47-4	78-59-1	83-32-9	84-66-2	84-74-2	85-01-8	85-68-7	86-30-6	86-73-7	84-7/-8	87-68-3	C-00-10		C-98-18	88-06-2	88-74-4	88-75-5	91-20-3	91-57-6	91-58-7	01-0/-1	7 - 74- 1	7-04-07	77-70-1	8-76-66	95-95-4	98-95-3		69-09-2											
-	Meth/ Matrix	S/ C/MS	OLIAE/ O																																													
	Lab Anly. No.	DI 52478-02																																														
	Sample Date	10-MOV-04																																														
	. Depth	12.0																																														

^{* -} Analyte Description has been truncated. See Data Dictionary

Site Type

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO

	EPA Data	Quals																																												
	Data	Quals																																												
		Meas Codes	-	A 390	NGG BV	^ 990	A 990	> 990	A 990	> 590	A 990	> 990	> 990		-		-	> 550 0	> 090	> 990	> 990	> 990	> 55U	A 550	> 590	> 990	> 990	> 900	> 990		> 990	> : 090	> 500 000	> :	2 2 2	> 390		> 350				> 99n			> 550	> 990
	e I	Bo Conc	 -	6.71	2.62	11 .5	1.1	11 2	17 .2	1.1	LT 5	111		25200	33800	20600	8,6	31.4	999	LT 2		132	36.6	24.8	55.2	114	58.5	23200				.33			3.5	3	:	3: :					LT .33	11 .33	17 .33	
File Type: CSO Sampling Date Range: 01-JAN-75 28-JAN-97		Analyte Description	Unknown compound 637	Diesel range organics	Peal	Gasoline range organics	Selenium	Thailium	Mercury	Antimony	Arsenic	Beryllium	Cadmium	Aluminum	Iron	Magnes i um	Manganese	Nickel	Potassium	Silver	Sodium	Barius	Chromium	Cobelt	Copper	Venedium	Zinc	Calcium	4-Nitroaniline	4-Witrophenol		p-Cresol / 4-Cresol / 4-Methylphenol	1,4-Dichlorobenzene	4-Chlorogni Line	pists-chroroisopropyr) erner	/ Phone / Carbolic acid / Phenic acid	picyle acid / rne.	Bis(2-chloroethyl) ether	Bis(2-chloroethoxy) methane	Bis(2-ethylhexyl) phthalate	Di-n-octyl phthalate	Hexach!orobenzene	Anthracene	1,2,4-Trichlorobenzene	2,4-Dichlorophenol	2,4-Dinitrotoluene
Date Range:	;	CAS No.			7439-92-1		7782-49-2	7440-28-0	7439-97-6	2440-36-0	7440-38-2	7440-41-7	7440-43-9	7429-90-5	7439-89-6	7439-95-4		7440-02-0	7440-09-7	7440-22-4	7440-23-5	7440-39-3	7440-47-3	7440-48-4	7440-50-8	7440-62-2	9-99-047	7440-70-2	100-01-6	100-02-7	105-67-9	106-44-5	7-04-001	0-74-001	- 20-00-	7-64-901	7-77-64	*-**	1-19-111	117-81-7	117-84-0	118-74-1	120-12-7		120-83-2	121-14-2
Sampling	Meth/	Matrix	SHV2/S	DRO /S	GPB1/S	GRO /S	GSE1/S	GTL1/S	HGC1/S	ICM1/S				1CP1/S															SHV2/S																	
	Lab	Lab Anly. No.		RL 52678-14																																										
	Sample	Date		18-NOV-96																																										
		Depth	12.0	12.0																																										
	Field	Sample No.	B080212X	B090112X																																										
	Site	=	SB-08-02	SB-09-01																																										

* - Analyte Description has been truncated. See Data Dictionary

Site Site
Type ID
---BORE SB-09-01

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO 28-JAN-97

EPA Data Quals		
Data Quals		
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	:555 555 555555 5 555 55555555555555555	11. 13. 13. 13. 13. 13. 13. 13. 13. 13.
Analyte Description	Benzo[def]phenanthrene / Pyrene Dimethyl phthalate Dimethyl phthalate Dibenzofuran 2,4-Bis(isopropylamino)-6-methoxy- 1,3,5-triazine / Primato* Benzo[ghi]perylene Indeno[1,2,3-C,D]pyrene Benzo[b]f[uoranthene / 3,4- Benzo[luoranthene Indeno[1,2,3-C,D]pyrene Benzo[luoranthene F[uoranthene Benzo[luoranthene Acenaphthylene Chrysene Benzo[a]pyrene 2,4-Dinitrophenol Dibenzanthracene Benzo[a]pyrene 2,4-Dinitrophenol Dibenzanthracene Benzo[a]pyrene 2,4-Dinitrophenol Dibenzanthracene Benzo[a]pyrene 2,4-Dinitrophenol I,3-Dichlorobenzene Benzo[a]pyrene 3-Methyl-4-chlorophenol / 4-Chloro-3-cresol / 4-Chloro-3-m* 2,6-Dinitrotoluene Benzo[a]pyrene Isophorone Acenaphthene Diethyl phthalate Phenanthrene Burylbenzyl phthalate Phenanthrene Burylbenzyl phthalate Fluorene / 94-Fluorene	Larbazote / yn-tarbazote Hexachlorobutadiene / Hexachloro-1,3- butadiene Pentachlorophenol 2,4,6-Trichlorophenol 2-Nitrophenol Naphthalene / Tar camphor 2-Methylnaphthalene
	129-00-0 131-11-3 132-64-9 1610-18-0 191-24-2 193-39-5 205-99-2 205-99-2 208-96-8 218-01-9 50-32-8 51-28-5 53-70-3 53-70-3 53-70-3 53-55-3 59-50-7 606-20-2 67-72-1 77-47-4 78-59-1 85-66-2 86-30-6 86-30-6 86-30-6 86-30-6	87-68-3 87-86-5 88-06-2 88-74-4 88-75-5 91-20-3
Meth/ Matrix	SMV2/S	
	RL 52678-14	
Sample Date	18-NOV-96	
Depth	12.0	
Field Sample No.	B090112X	

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation : Fort Allen, Puerto Rico (FN)

	EPA Data Quals	•																																				
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	Flag Codes	v 550 V 550	> > 000 - 000	· ^ 550	^ : 000	> ppn	v 55U	> 500 000	V DOU		8 × × × × × × × × × × × × × × × × × × ×	> > 999	. 8 .					080 080 186 VB0		> >	UGG BV	> 590	> :	> :	> > 100	> 250	_	_				> 990	> :	> > 995	> > 200	> 290	v 55U	NGG V
	Me Bo Conc		17 .33		8: 11:8	LT .33	1.8		LT .33	,		7 E -2	: 	٠.	~ ;	ı نہ	,	4		; 4	2.71	נו	LT 2	7. 1.	- 2-	-		20800	29800	16800	2080			11 6		9.62	24.2	6.64
File Type: CSO 01-JAN-75 28-JAN-97	Analyte Description	2-Chloronaphthalene 3,3'-Dichlorobenzidine	o-Cresol / 2-Cresol / 2-Methylphenol	2-chlorophenol	2,4,5-Trichlorophenol	Nitrobenzene / Essence of mirbane /	3-Nitroaniline	4-Bromophenyl phenyl ether	4-Chlorophenyl phenyl ether			Unknown comound 560				Unknown compound 615	Unknown compound 623	Unknown compared 637	Gasoline rande organics	Diesel range organics	Pead	Selenium	Theilium	Hercury	Ansenic	Beryllium	Cadmium	Atuminum	Iron	Magnesium	Manganese	Nickel	Potessica	or (ver		Chromium	Cobalt	Copper
File T Date Range: 01-JAN-75	CAS No.	91-58-7 91-94-1	95-48-7 05-50-1	95-57-8	95-95-4	y8-y2-3	2-00-66														7439-92-1	7782-49-2	7440-28-0	0-14-077	7440-38-2	7440-41-7	7440-43-9	7429-90-5	7439-89-6	7439-95-4	7439-96-5	7440-02-0	7440-09-7	4-77-0772	7440-39-3	7440-47-3	7440-48-4	7440-50-8
Sampling	Meth/ Matrix	SMV2/S																	GRO /S	DRO /S	GPB1/S	GSE1/S	GTL1/S	241/2		•		ICP1/S			•			- (- • -	.~	•	
v	Lab Anly. No.																			RL 52678-15																		
	Sample Date	%																		18-NOV-96																		
	Depth	12.0																		12.0																		
	Field Sample No.	B090112X																	B090212X	B090212X																		
	Site ID	85																		SB-09-02																		
	Site Type	BORE																																				

* - Analyte Description has been truncated. See Data Dictionary

Site Site
Type ID
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BORE SB-09-02

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75

EPA Data Quals																																											
Data Quals																																											
Unit Flag Meas Codes	; > :	> > 990	7 200	V 22U	v 550	V DOU	NGG V	> 55N	A 550	NGG V		^ 550	V DOU	NGG V	NGG V	NGG V	NGG V	V DOU	_		7 DDU	v 55U	NGG V	NGG V	A 550	v 200		NGG V			NGG V			V DOU		v 55U			^ 99N	NGG V		7 990	V 55U
Me Bo Conc	95.4	89500		LT .8			LT .33			LT .33		LT .33		.58	LT .5								LT .33	9. 11	L1 .5	LT .33				LT .33			LT .8	LT .6		11			LT .33	5			LT .33
te D	Vanadium	Zalcium Calcium	4-Nitroaniline	4-Nitrophenol	2,4-Dimethylphenol	p-Cresol / 4-Cresol / 4-Methylphenol	1,4-Dichlorobenzene	4-Chloroaniline	Bis(2-chloroisopropyl) ether	Phenol / Carbolic acid / Phenic acid	/ Phenylic acid / Phe*	Bis(2-chloroethyl) ether	Bis(2-chloroethoxy) methane	Bis(2-ethylhexyl) phthalate	Di-n-octyl phthalate	Hexachlorobenzene	Anthracene	1,2,4-Trichlorobenzene	2,4-Dichlorophenol	2,4-Dinitrotoluene	Benzo[def]phenanthrene / Pyrene	Dimethyl phthalate	Dibenzofuran	Benzo[ghi]perylene	Indeno[1,2,3-C,D]pyrene	Benzo [b] fluoranthene / 3,4-	Benzofluoranthene	Fluoranthene	Benzo [k] fluoranthene	Acenaphthylene	Chrysene	Benzo [a] pyrene	2,4-Dinitrophenol	Dibenz[ah]anthracene / 1,2:5,6-	Dibenzanthracene	4,6-Dinitro-2-cresol / 2-Methyl-4,6-	dinitrophenol	1,3-Dichlorobenzene	Benzo [a] anthracene	3-Methyl-4-chlorophenol / 4-Chloro-3-	cresol / 4-Chloro-5-m*	2,6-Dinitrotoluene	N-Nitrosodi-n-propylamine
CAS No.	7440-62-2	9-99-077/	100-01-6	100-02-7	105-67-9	106-44-5	106-46-7	106-47-8	108-60-1	108-95-2		111-44-4	111-91-1	117-81-7	117-84-0	118-74-1	120-12-7	120-82-1	120-83-2	121-14-2	129-00-0	131-11-3	132-64-9	191-24-2	193-39-5	205-99-2		206-44-0	207-08-9	208-96-8	218-01-9	50-32-8	51-28-5	53-70-3		534-52-1		541-73-1	56-55-3	29-50-7		2-02-909	621-64-7
Meth/ Matrix	ICP1/S		SMV2/S	I																																							
Lab Lab Anly. No.	RL 52678-15																																										
Sample Date	18-NOV-96																																										
Depth	12.0																																										
Field Sample No.	B090212X																																										

^{* -} Analyte Description has been truncated. See Data Dictionary

Site Site
Type ID
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BORE SB-09-02

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO

28-JAN-97	
: 01-JAN-75	
ampling Date Range:	
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Field	;	Sample		Lab				Æ	Unit Flag	Data	EPA Data
Sample No.	Depth	Date	Lab	Lab Anly. No.		CAS No.	Analyte Description		_		
B090212X	12.0	18-WOV-06	=		S/C/MS	47-73-1				:	
	!		!			77-72-7		; ;	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		
						78-50-4	revacintor ocyclopentagrene				
						1-60-07	Sopriore				
						62-25-6	Acenaphthene				
						84-66-2	Diethyl phthalate		> 550		
						84-74-2	Di-n-butyl phthalate	LT .33	> 990		
						85-01-8	Phenanthrene	11 .33			
						85-68-7	Butylbenzyl phthalate				
						86-30-6	N-Witrosodiphenylamine				
						86-73-7	Fluorene / 9H-Fluorene				
						86-74-8	Carbazole / 94-Carbazole				
						87-68-3	Mexachlorobutadiene / Hexachloro-1.3-		> 250		
							butadiene	i			
						87-86-5	Pentachlorophenol		7 990		
						88-06-2	2.4.6-Trichlorophenol	11	> 291		
						88-74-4	2-Nitroaniline) «	> >		
						28-73-5	2-Witrophenol				
						2.00-10 F-00-10	Northebol one A to comban				
						5-07-14	Maphithalene / Lar Camphor				
						9-75-16	2-Methylnaphthalene				
						91-58-7	2-Chloronaphthalene	L1 .33			
						91-94-1	3,3'-Dichlorobenzidine		> 990		
						95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol				
						95-50-1	1.2-Dichlorobenzene	1			
						95-57-8	2-Chlorophenol				
						8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-	2 4 5-Trichloropeon				
						50-00 2-30	Manufacture (Receipt of Little)				
						7-74-04	of of mishans		990		
						3					
						7-60-66	S-Withouniline		> 990		
							4-Bromophenyl phenyl ether	1.33	> 990		
							4-Chlorophemyl phenyl ether		> 990		
							Unknown compound 537	-	> 990		
							Unknown compound 539	2	8A 590		
								9 E -2	-		
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							Unknown compound 549	! ~;	3 > 991		
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							Unknown compound 623	∞	-		
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^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75 28-JAN-97

	EPA Data Quals	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																																														
	Data Quals	:																																														
	Unit Flag Meas Codes	UGG VB		UGG BV		· > 550	> >	> :	V 250	> 55U	V 55U	^ 5511	> 250 000	ngg va	-	_	NGG VB		v 550	^ 990	\ 95H	> > 991	> :	> 200	7 990	A 550	A 550	A 550	V 20U	A 550	A 590		v 55U	NGG V		A 550	A 550		A 550	A 550	V 200			> >		2000	> > 551	
:			7 1				- 6			11.2		401	LT .2		37100	18500	614	38		1.1 2				. o. o.	22.1	55.9	124	58.9	27000	LT .8	LT .8	LT .33		LT .33			1.33			LT .33	LT .33							
	_	Unknown compound 637	Diesel rande ordanice	Lead	Gasoline range organics	Colonian			Mercury	Antimony	Arsenic	Reryl i i m	Cadmium	Aluminum	Iron	Magnesium	Manganese	Nickel	Potassium	Silver	Coding				Cobalt	Copper	Vanadium	Zinc	Calcium	4-Nitroaniline	4-Nitrophenol	2,4-Dimethylphenol	p-Cresol / 4-Cresol / 4-Methylphenol	1,4-Dichlorobenzene	4-Chloroaniline	Bis(2-chloroisopropyl) ether	Phenol / Carbolic acid / Phenic acid	/ Phenylic acid / Phe*	Bis(2-chloroethyl) ether	Bis(2-chloroethoxy) methane	Bis(2-ethylhexyl) phthalate	Di-n-octv bhthalate	Hexachlorobenzene	Anthonorus	Anthracene	1, Z, 4 "IFICH (OF ODER ZENE	2,4-Dinitrotoluene	
	CAS No.	:		7439-92-1		2-07-6822	7/70-28-0	0-07-044/	1459-97-0	7440-36-0	7440-38-2	7-17-077	7440-43-9	7429-90-5	7439-89-6	7439-95-4	7439-96-5	7440-02-0	7-60-04-7	7440-22-4	5-20-077	2-02-0772	7,10,77	C-24-0442	7-85-055	7440-50-8	7440-62-2	9-99-0552	7440-70-2	100-01-6	100-02-7	105-67-9	106-44-5	106-46-7	106-47-8	108-60-1	108-95-2		111-44-4	111-91-1	117-81-7	117-84-0	118-74-1	120-12-7	120-12-7	120-02-1	121-16-2	:
•	Meth/ Matrix	SMV2/S	080 /8	GPB1/S	GRO /S	CSE1/0	CT 17.0	01110	HGC1/S	ICM1/S	•			ICP1/S	•															SMV2/S																		
•		:	RI 52678-05																																													
-	Sample Date	18-NOV-96	18-NOV-96																																													
	Depth	12.0	12.0																																													
;	Field Sample No.	B090212X	R090312X																																													
;	Site ID	 SB-09-02	SB-09-03	<u>}</u>																																												
	Type	BORE																																														

^{* -} Analyte Description has been truncated. See Data Dictionary

Field Sample No. 1

Site Site
Type ID
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BORE SB-09-03

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75

EPA Data Quals	: : : : :																																										
Data Quals	:																																										
Unit Flag Meas Codes	V 55U	> > 000 000	> > 991	> > 997			A 590	> 990	> 251	> > 990	> > 990				NGG V		> 99n	> 990	> 990		> 550	> 990	> 990	A 550	> 990	> 550 000	A 990	> 990	> 990		^ 990	> 990	> 590			7 DOU	> 990				> 990	> 290	
_	LT .33	11 .33		5.5			11 .33	1.5							LT 1				LT .33		LT .33			1.33			LT .33		LT .33		11 .33		LT .33	LT .33		LT .8	LT .33			LT .33			LT .8
Analyte Description	Benzoldef]phenanthrene / Pyrene	Dimethyl phthalate Dibenzofuran	Benzo [ahi] perviene	Indeno[1,2,3-C,D] pyrene	Benzo[b] fluoranthene / 3.4-	Benzofluoranthene	Fluoranthene	Benzo [k] fluoranthene	Acenachthylene	Chrysene	Benzo [a] pyrene	2.4-Dinitrophenol	Dibenz[ah]anthracene / 1,2:5,6-	Dibenzanthracene	4,6-Dinitro-2-cresol / 2-Methyl-4,6-	dinitrophenol	1,3-Dichlorobenzene		3-Methyl-4-chlorophenol / 4-Chloro-3-	3-13	2,6-Dinitrotoluene	N-Nitrosodi-n-propylamine	Hexachloroethane	Mexachlorocyclopentadiene	Isophorone	Acenaph thene	Diethyl phthalate	Di-n-butyl phthelate	Phenanthrene	Butylbenzyl phthalate	N-Nitrosodiphenylamine	Fluorene / 9M-Fluorene	Carbazole / 9M-Carbazole	Hexachlorobutadiene / Hexachloro-1,3-	butadiene	Pentachlorophenol	2,4,6-Trichlorophenol	2-Nitroaniline	2-Nitrophenol	Maphthalene / Tar camphor	2-Methylnaphthalene	2-Chloronaphthalene	3,3'-Dichlorobenzidine
CAS No.	129-00-0	131-11-5	191-24-2	193-39-5	205-99-2		206-44-0	207-08-9	208-96-8	218-01-9	50-32-8	51-28-5	53-70-3		534-52-1		541-73-1	56-55-3	59-50-7		606-20-2	621-64-7	67-72-1	77-47-4	78-59-1	83-32-9	84-66-2	84-74-2	85-01-8	85-68-7	86-30-6	86-73-7	86-74-8	87-68-3		87-86-5	88-06-2	88-74-4	88-73-5	91-20-3	91-57-6	91-58-7	91-94-1
Meth/ Matrix	SMV2/S																																										
Lab Lab Anly. No.	RL 52678-05																																										
Sample	18-NOV-96																																										
o. Depth	12.0																																										

* - Analyte Description has been truncated. See Data Dictionary

28-JAN-97

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75

	ш	s Quals	•																																														
		Quals																																															
	Unit Flag	Meas Codes	-	^ 55n	N 990	> 990	NGG V		١١٥٥ ٧	> > 990	2 2	> >						UGG VBD	OGG VB	^ 55U	UGG BV		\ 100 \	> > 991	> >	2 2 2 2	> :	> 99n	> 990	NGG V		UGG VB	NGG V	UGG VB	v 550	7 55U	V 25U	V 55U	v 55U	-		-	-			-	_	> 550 000	
	Me	Bo Conc			LT .33	LT .8	LT .33		8 1	. L			n N	o '	-	4.	9	ĸ.	_	LT 4	2.37	5: 17	-		, -	7.	- :	ر ا	L1 1	11	29300	44300	16700	1880			LT 2		401	31.5	26.2	7.67	162	1.19	42900		2 6.	LT .33	
Sampling Date Range: 01-JAN-75 28-JAN-97		Analyte Description	o-Cresol / 2-Cresol / 2-Methylphenol	1,2-Dichlorobenzene	2-Chlorophenol	2,4,5-Trichlorophenol	Nitrobenzene / Essence of mirbane /	Oil of mirbane	3-Nitroaniline	4-Bromophenyl phenyl ether	/-Chloropheny! phony! other		Tarbactus compound 537		Unknown compound 614	Unknown compound 615	Unknown compound 623		Unknown compound 637	Diesel range organics	Lead	Gasoline range organics	Selenium	That I ium		Act cul y	Antilliony	Arsenic	Beryllium	Cadmium	Aluminum	Iron	Magnesium	Manganese	Nickel	Potassium	Silver	Sodium	Barium	Chromium	Cobalt	Copper	Vanadium	Zinc	Calcium	4-Nitroaniline	4-Nitrophenol	2,4-Dimethylphenol	
Date Range	:	CAS NO.	95-48-7	95-50-1	95-57-8	95-95-4	98-95-3		2-00-66	1											7439-92-1		7782-49-2	7440-28-0	9-20-02-72	0-14-654-0	7440-30-0	7-96-044/	7-14-0447	2440-43-9	7429-90-5	7439-89-6	7439-95-4	7439-96-5	7440-02-0	2-60-0552	7440-22-4	7440-23-5	7440-39-3	7440-47-3	7440-48-4	7440-50-8	7440-62-2	7440-66-6	7440-70-2	100-01-6	100-02-7	105-67-9	
Sampling	Meth/	Matrix	SMV2/S																	DRO /S	GPB1/S	GRO /S	GSE1/S	GTL1/S	HGC1/8	1041/0	6/15/1				ICP1/S															SMV2/S	•		
	Lab	Lab Anty. No.																		52678-06																													•
	4.	nate La	18-NOV-96 RL																	18-NOV-96 RL																													
	1	reptn	12.0																	12.0																													•
	Field	sample no.	B090312X																	B090412X														-															•
	Site		SB-09-03																	SB-09-04																													
	Site	Ž ;	BORE																																														,

* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation : Fort Allen, Puerto Rico (FN)

	EPA Data	quals																																													
	Data	Quals																																													
		Meas Codes	-	> 990	7 290	7 99n	> 550 000		A 990	\ 250 250	> > 200	> >	> > >	> >	> > 990	- 2	> > 3500	> 2	-	999	> pgn	> 99n	> 090	> 000		> 990	> 990	> 990				> 550		> 990		> 990	A 250	> 990	Nee v	> 201	> > 201	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		> : 990 :		> > 39 5	> 290
	Æ	Bo Conc		11 .33			11 .33		LT .33	22							. : ::		3 :					LT .33		11 .33		11 .33				9. 1.1		LT 1		LT .33	11 .33		11 .33	11						3:5	
01-JAN-75 28-JAN-97	•	Analyte Description	D-Cresol / 4-Cresol / 4-Methylphenol		4-chloroaniline	Bis(2-chloroisopropyl) ether	Phenol / Carbolic acid / Phenic acid	/ Phenylic acid / Phe*	Bis(2-chloroethyl) ether	Bis(2-chloroethoxy) methans	Rig(2-ethylbexyl) whthelete	Districted by the state	Hexach Orobenses		1 2 k-Trichlorobenzene		2,4-Dichiorophanol	Daniel Charletter (District	Directly when the / Pyrene	Dimetry principles	Dibenzofuran	Benzo [ghi] perylene	Indeno[1,2,3-C,D]pyrene	Benzo [b] fluoranthene / 3,4-	Benzofluoranthene	Fluoranthene	Benzo [k] fluoranthene	Acenaphthylene	Chrysene	Benzo (a) pyrene	2,4-Dinitrophenol	Dibenz (ah) anthracene / 1,2:5,6-	Dibenzanthracene	4,6-Dinitro-2-cresol / 2-Methyl-4,6-	dinitrophenol	1,3-Dichlorobenzene	Benzo [a] anthracene	3-Methyl-4-chlorophenol / 4-Chloro-3-	2.6-Dinitrotoluene	M-Witrosodi-n-propy(amine	Hexachlorosthans	Hexach orocor coentact eoe	Tout and a feet of the feet of the	1 soprore		Diemyt phinadate	or-n-outyl partialate
Date Range: 01-JAN-75	:	CAS No.	106-44-5	106-46-7	106-47-8	108-60-1	108-95-2		111-44-4	111-91-1	117-81-7	117-84-0	118-74-1	120-12-7	120-82-1	120-82-2	121-14-2	120-00-0	124-00-0	21.12	152-04-9	191-24-2	193-39-5	205-99-2		206-44-0	207-08-9	208-96-8	218-01-9	50-32-8	51-28-5	53-70-3		534-52-1		541-73-1	56-55-3	59-50-7	606-20-2	621-64-7	67-72-1	7-77-12	70.07	10-38-1	25-70	2-00-60	7-11-10
Sampling	Meth/	Matrix																																													
	Lab	Lab Anty. No.	RL 52678-06																																												
	Sample	Date	18-NOV-96																																												
	1416	Depth	12.0																																												
	Field	sample No.	B090412X																																												
	Site	a	SB-09-04																																												
	Site	e :																																													

^{* -} Analyte Description has been truncated. See Data Dictionary

28-JAN-97

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75 28-JAN-97

EPA Data	euals																																													
Data	s leng																																													
	Sees codes	> 200	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	> > 350 100	• > Second	> > 551		V 55U	, A 550	N 990	^ 550 000	> > 990	• ^ 99n	-				_		200	> 200	:	> 550 200) ou						UGG VBD	UGG VB				> > 991	> > 990	> 550 000	N 990	V 55U	7 990	v 55U	NGG V8			UGG VB	
₩ G	2		22			11 .33		LT .8	_															1.33		-	8 E -2	ĸ.	_	4.	ω.	7 17		.5.		LT 2	17 .2		1.54	.437	17 .2		46500	20400	961	
Analyte Description	District Control of Co	Ruty/boszy/ sktholoto	N-Nitrosodinhenvlamine	Fluorene / OH-Fluorene	Carbazole / 94-Carbazole	Hexachlorobutadiene / Hexachloro-1.3-	butadiene	Pentachlorophenol	2,4,6-Trichlorophenol	2-Nitroaniline	2-Nitrophenol	Naphthalene / Tar camphor	Methylnaphthalene	2-Chloronaphthalene	3.3'-Dichlorobenzidine	o-Cresol / 2-Cresol / 2-Methylphenol	1.2-Dichlorobenzene	2-Chlorophanol	2 4 F. Trichlosophonel	Litis History Ophenion	nicionalizate / Essence of milibane /	Z-Ni+noon: 1:no	5-NICTORNICINE 6-Bromontonii mtonii otton		4-unlorophenyl phenyl ether	Unknown compound 359	UNKNOWN COMPOUND 614	Juknown compound 615	JUKNOWN COMPOUND 623		Unknown compound 637	Diesel range organics	Lead	Gasoline range organics	Selenium	Thallium	Mercury	Antimony	Arsenic	Beryllium	Cadmium	Aluminum	Iron	Magnesium	Manganese	
Ą	: : :	ā	3 ±	<u>.</u>	ဥ	£	₫	ď	7	Ċ	ċ	ž	Ċ	Ċ	M	. 0	-	~ ~	۰ د	ız	: C) N	າ ≺	٠,	3	> :	-	> :	5		5	۵	ڌ	Ğ	Š	=	ž	Ā	Ā	æ	ပ္	₹	=	ž	ž	
CAS NO.														91-58-7 2-			95-50-1					. 6-00-00		•	3	> :	> :	> :	5		5		7439-92-1 Le	Ğ	7782-49-2 Se	-								_	7439-96-5 ME	
•	85-01-8	85-68-7																						•	.	o :	:	:	5		_		7439-92-1		7782-49-2	7440-28-0	2439-97-6		7440-38-2 AF		2440-43-9	7429-90-5		_	_	
Meth/ Matrix CAS No.	SWV2/S 85-01-8	85-68-7																						•	.	> :))	5				7439-92-1		7782-49-2	7440-28-0	2439-97-6	7440-36-0			2440-43-9			_	_	
Meth/ Matrix CAS No.	SWV2/S 85-01-8	85-68-7																						•	÷ :	> :	ɔ :)	5			DRO /S	7439-92-1		7782-49-2	7440-28-0	2439-97-6	7440-36-0			2440-43-9	7429-90-5		_	_	
Meth/ Matrix CAS No.	96 RL 52678-06 SMV2/S 85-01-8	85-68-7																							+ :	> :))				RL 52678-03 DRO /S	7439-92-1		7782-49-2	7440-28-0	2439-97-6	7440-36-0			2440-43-9	7429-90-5		_	_	
Lab Anly. No. Matrix CAS No.	18-NOV-96 RL 52678-06 SWV278 R5-01-8	7-89-58																							+	-)					52678-03 DRO /S	7439-92-1		7782-49-2	7440-28-0	2439-97-6	7440-36-0			2440-43-9	7429-90-5		_	_	
Sample Lab Aniv. No. Matrix CAS No.	12.0 18-NOV-96 Rt 52678-06 SWV278 85-01-8	7-89-58																							≠ =	> :)		o o			RL 52678-03 DRO /S	7439-92-1		7782-49-2	7440-28-0	2439-97-6	7440-36-0			2440-43-9	7429-90-5		_	_	
Field Sample Lab Meth/ Sample No. Depth Date Lab Anly. No. Matrix CAS No.	12.0 18-NOV-96 Rt 52678-06 SWV278 85-01-8	7-89-58																							3 :	:	.	a :	o o			12.0 19-NOV-96 RL 52678-03 DRO /S	7439-92-1		7782-49-2	7440-28-0	2439-97-6	7440-36-0			2440-43-9	7429-90-5		_	_	Annual Company of the

* - Analyte Description has been truncated. See Data Dictionary

Site Site
Type ID
....
BORE SB-M9-01

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO 28-JAN-97

			Sampling	Date Range: U1-JAN-/5	1-JAN-75 28-JAN-97					
	•	Lab	Meth/			Æ	Unit Fl	Flag	Data	EPA Data
_		Lab Anly. No.	Matrix	CAS No.	Analyte Description	Bo Conc	ø		Quals	Quals
		•					:	:	:	
BM90112X 12.0	0 19-NOV-96	RL 52678-03	ICP1/S	7440-02-0	Nickel	33.7	> 990			
				7-60-04-7	Potassium	3190	> 990			
				7440-22-4	Silver	LT 2	> 000			
				7440-23-5	Sodium	4520	7 990			
				7440-39-3	Barium	ጽ	> 990			
				7440-47-3	Chromium	49.5	> 990			
				7440-48-4	Cobalt	20.8	> 000			
				7440-50-8	Copper	63	7 990			
				7440-62-2	Vanadium	148	200			
				9-99-077	Zinc	6.89	7 990			
				7440-70-2	Calcium	38200	> 250			
			SMV2/S	100-01-6	4-Nitroaniline		7 200			
			,	100-02-7	4-Nitrophenol	.8	7 220			
				105-67-9	2,4-Dimethylphenol		> 000			
				106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol		7 550			
				106-46-7			> 090			
				106-47-8	4-Chloroaniline	11 .33	> 000			
				108-60-1	Bis(2-chloroisopropyl) ether	13.33	> 990			
				108-95-2	Phenol / Carbolic acid / Phenic acid	LT .33	7 990			
					/ Phenylic acid / Phe*		}			
				111-66-6	Big(2-chloroethy) ether	17 73	7 2511			
				***	Black-circlestify, ether		> >			
				1-14-111	618(2-chloroethoxy) methane		> : 9 :			
				7-19-711	Bis(2-ethylhexyl) phthalate		200			
				117-84-0	Di-n-octyl phthalate		> 5 5 7			
				118-74-1	Hexachlorobenzene		> 550			
				120-12-7	Anthracene		7 990			
				120-82-1	1.2.4-Trichlorobenzene		7 990			
				120-83-2	2.4-Dichtorophenot		7 550			
				121-14-2	2.4-Dinitrotoluene		> 990			
				129-00-0	Benzo (def) chenanthrene / Pyrene	11 .33	> 990			
				131-11-3	Dimethyl phthelate					
				132-64-9	Dibenzofuran	11 .33				
				191-24-2	Benzo[ghi]perviene		7 550			
				193-39-5	Indeno[1,2,3-C.D]pyrene		> 99n			
				205-99-2	Benzo[b] fluoranthene / 3.4-					
				:			}			
				206-44-0	Fluoranthene		7 590			
				207-08-9	Renzofk] fluorenthene	ری ا	· >			
				208-96-8	Acenaphthylene		> >			
				218-01-0	Chryston	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	991			
				50-12-8	Benzo fel myrene					
				51-28-5	2 4-0 to the temperal					
				7-22-7		•	2 0			
				22-70-3	Ulbenz anianthracene / 1,2:5,0-					
					Dibenzanthracene					

* - Analyte Description has been truncated. See Data Dictionary

28-JAN-97

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75 28-JAN-97

Field Sample Sample Sample No. Depth Date BM90112X 12.0 19-NOV-96

Site Site
Type ID
---BORE SB-M9-01

	Sampling	g Date Range: 01-JAN-75	01-JAN-75 28-JAN-97				
Lab	Meth/			Æ	Unit Flag	Data	EPA Data
Lab Anly. No.		CAS No.	Analyte Description	Bo Conc	Meas Codes	Quals	quals
RL 52678-03			4,6-Dinitro-2-cresol / 2-Methyl-4,6-		_		
		1	dinitrophenol				
		541-75-1	1,5-Dichlorobenzene	11 .55	7 201		
		50-50-7	Senzotajantili acene 3-Methyl-4-chloropheno! / 4-Chloro-3-		^ 990 000		
			cresol / 4-Chloro-3-m*				
		606-20-2	2,6-Dinitrotoluene		V 22U		
		621-64-7	N-Nitrosodi-n-propylamine		V 22U		
		67-72-1	Hexachloroethane		v 22U		
		4-24-22	Hexachlorocyclopentadiene	LT .33	V 22U		
		78-59-1	Isophorone		V DDU		
		83-32-9	Acenaphthene				
		84-66-2	Diethyl phthalate				
		84-74-2	Di-n-butyl phthalate		V 22U		
		85-01-8	Phenanthrene	LT .33			
		85-68-7	Butylbenzyl phthalate		NGG V		
		86-30-6	N-Nitrosodiphenylamine				
		86-73-7	Fluorene / 9M-Fluorene		A 550		
		86-74-8	Carbazole / 9M-Carbazole				
		87-68-3	Hexachlorobutadiene / Hexachloro-1,3-		A 550		
			butadiene				
		87-86-5	Pentachlorophenol	L1 .8	7 99N		
		88-06-2	2,4,6-Trichlorophenol		v 220		
		88-74-4	2-Nitroaniline		NGG V		
		88-75-5	2-Nitrophenol				
		91-20-3	Naphthalene / Tar camphor				
		91-57-6	2-Methylnaphthalene	LT .33			
		91-58-7	2-Chloronaphthalene		7 DDU		
		91-94-1	3,3'-Dichlorobenzidine				
		95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT .33			
		95-50-1	1,2-Dichlorobenzene		N 090		
		95-57-8	2-Chlorophenol	L1 .33	7 500 C		
		95-95-4			066 V		
		98-95-3	Nitrobenzene / Essence of mirbane /		\ 000 \ \		
			U11 of mirbane		:		
		69-09-2		∞: -	> 5 50 1		
			a,	33	7 55U		
			4-Chiorophenyl phenyl ether				
				٠.,			
				`	8A 550		
				-, (
				ńι			
				, ·	9A 990		
			Unknown compound 615	e.			

^{* -} Analyte Description has been truncated. See Data Dictionary

EPA Data Quals

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO 28-JAN-97

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Data Quals
Unit Flag Meas Codes
Me Conc
Analyte Description Unknown compound 633 Unknown compound 630 Unknown compound 637
Meth/ Matrix CAS No. SMV2/S
Lab Anly. No. 52678-03
Field Sample Sample Sample No. Depth Date Date PM90112X 12.0 19-NOV-96
Depth 12.0
Field Sample No.
Site ID SB-M9-01
Site Type

7.0 19-NOV-96

BPH0107X

SB-PH-01

Matrix SMV2/S	K CAS No.	Analyte Description Bo	Bo Conc	Meas Codes	5 5 1
553	351	Unknown compound 630 Unknown compound 637 Unknown compound 637			
7439-92-1	Die Lee	Diesel range organics LT	2.45	> > &	
GRO /S GASC	Ses	Gasoline range organics LT		> : 000:	
7440-28-0	Ę		- 2	> > 2 9 9	
7439-97-6	E .		2.	7 290	
7440-38-2 Arse	Arse	Antimony LT Arsenic LT	- 50	> > 5 5 5 7	
_	Ber	Ę	\ 	- > 290	
7440-43-9 Cachrium 7420-00-5 Alimitum	Ca d			> 99n	
-		A LUB MAN	27100		
_	Magr	Nagnesium	18400	9 × × × × × × × × × × × × × × × × × × ×	
_	Mang	Manganese	956	8 year	
7440-02-0 Nickel	Nick		20.3	A 990	
_ •	Silv		. 2080 . 2	> > 9 99 1	
7440-23-5 Sodium 7440-39-3 Barium	Sodiu	Ęį	4880	> 550	
			7. °C	> : 290	
_	Coba		16.8	> > 200	
_	dd O O	£ .		> 000	
	8 2	Vanadíum		NGG V	
7440-00-0 7440-70-7	2100	21nc 5-10-1-1	51.9	> : 000 :	
	4-N	6-Witropoiline		> > 9 9	
•	N-4	6-Nitrophenol	; eq	> > 991	
	2,4-	henol	.33	> 290	
_	<u>م</u>	1 / 4-Hethylphenol	.33	7 55U	
•	1-7	cene	.33	> 99n	
•	5-		.33	> 55U	
	Bis(2	Bis(2-chloroisopropyl) ether LT	ж.	> 99n	
108-95-2 Pheno	Pleno	Phenol / Carbolic acid / Phenic acid LT	.33	NGG V	
-	£ ;				
	B18(.33	> 990	
	818	Bis(2-chloroethoxy) methane LT	.33	> 290	
) ST (thalate	.33	> 990	
118-7/-11		uscachionobanana	ų;	> :	
-	חפא		.33	NGG <	

* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO 28-JAN-97

RPH0107X 7 0 10	Date	Lab Aniv. No.	Matrix	CAS NO	Analyte Description	ale O	unit riag	Data	EPA Data
					יייייייייייייייייייייייייייייייייייייי		Heas Codes	slena	duat s
	19-NOV-96	RL 52678-04	SMV2/S	120-12-7	Anthracene		A 550		
				120-82-1	1,2,4-Trichlorobenzene		A 550		
				120-83-2	2,4-Dichlorophenol	LT .33	V 55U		
				121-14-2	2,4-Dinitrotoluene		V 55U		
				129-00-0	Benzo[def]phenanthrene / Pyrene	11 .33	> 990		
				131-11-3	Dimethyl phthalate		V 55U		
				132-64-9	Dibenzofuran				
				191-24-2	Benzolahilberylene				
				193-39-5	Indenof1 2 3-C Dinvene	. L			
				205-00-2	Renzolhlfliorenthene / Z /-		> >		
				1	Renzof Lincanthene		> 250		
				0-77-906		77	3		
				207-09-0) : Oct		
				200-702	penzolkji tuorantnene				
				Z08-96-8	Acenaphthylene				
				218-01-9	Chrysene	LT .33	A 550		
				50-32-8	Benzo [a] pyrene	LT .33			
				51-28-5	2,4-Dinitrophenol	8. 11			
				53-70-3	Dibenz [ah]anthracene / 1 2:5 6-		› › 991		
))	Dibenzanthracene				
				534-52-1	4.6-Dinitro-2-cresol / 2-Methyl-4 6-	- 1	^ 391		
					dinitrophenol	- ;			
				541-73-1	1.3-Dichlorobenzene	17 73	\ 33H		
				56-55-3	Benzofalanthracene				
				59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-		\ 99H		
					cresol / 4-Chloro-3-m*				
			_	606-20-2	2,6-Dinitrotoluene	LT .33	V 98U		
			_	621-64-7	N-Nitrosodi-n-propylamine	11 .33			
				67-72-1	Hexachloroethane				
				72-55-9	2.2-Bis(p-chlorophenyl)-1.1-				
					dichloroethene	!			
				7-27-22	Hexachlorocyclonentadiene	77 77	7 9911		
			•	78-59-1	Isophorone	•	> > 955		
				83-32-0	Acenanhthene	-	> >		
				6.24.78			-		
				7.00-10	Dietilyt pilitatee				
				7-41-40	Ul-n-Dutyl putnalate				
			•	85-01-8	Phenanthrene				
			_	85-68-7	Butylbenzyl phthalate	LT .33			
			-	86-30-6	N-Nitrosodiphenvlamine				
			_	86-73-7	Fluorene / 9H-Fluorene		> > SSS		
				84-74-8	Carbazola / Ou-Carbazola		-		
				87-68-3	Hexachlorobutediene / Hexachloro-1 Z-		> 250		
				2	hitadione	•			
			_	87-86-5	Pentach or on heno!		7 9911		
			~	88-06-2	2,4,6-Trichlorophenol	LT .33	^ 550		
					-				

^{* -} Analyte Description has been truncated. See Data Dictionary

Site Type

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO

						o ,	Sampling	_	Date Range: 01-JAN-75 28-JAN-97				
4-	Site	Field		Sample		Lab	Meth/			Me	Unit Flag	Data	EPA Data
	<u>a</u>	Sample No.	Depth	Date	Lab	Lab Anly. No. P	Matrix	CAS No.	Analyte Description	Bo Conc	Meas Codes	Quals	Quals
	:			• • • • • • • • • • • • • • • • • • • •	:					:::		:	
	SB-PH-01	8PH0107X	7.0	19-KOV-96	귍	52678-04	SHV2/S	88-74-4	2-Nitroaniline	1.8	A 250		
								88-75-5	2-Nitrophenol		> 99n		
								91-20-3	Naphthalene / Tar camphor		v 55U		
								91-57-6	2-Nethylnaphthalene	11 .33	A 550		
								91-58-7	2-Chloronaphthalene		A 990		
								91-94-1	3,3'-Dichlorobenzidine		> 550		
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT .33	A 550		
								95-50-1	1,2-Dichlorobenzene		A 550		
								95-57-8	2-Chlorophenol	LT .33	A 550		
								95-95-4	2,4,5-Trichlorophenol	LT .8	A 550		
								98-95-3	Nitrobenzene / Essence of mirbane /	LT .33	> 990		
									Oil of mirbane				
								99-09-2	3-Nitroaniline	L1 .8	> 550		
									4-Bromophenyl phenyl ether	L1 .33	-		
									4-Chlorophenyl phenyl ether	LT .33			
									Unknown compound 539	~	8A 550		
									Unknown compound 548	-			
									Unknown compound 551	-	-		
									Unknown compound 556	-			
									Unknown campound 606	~:			
									Unknown compound 614	~!	_		
									Unknown compound 615	۲.	8A 550		
									Unknown compound 623	٠			
										۲	CBV 2211		

Unknown compound 632 Unknown compound 637 Unknown compound 660

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Records Found ** ** End of Report - 804

GROUNDWATER

ABB Environmental Services, Inc.

W001976APP 9890-05

Site Type ...

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW 15-JAN-97

					Sampling	Date Range: 01-JAN-75	01-JAN-75 15-JAN-97				
Site	Field	4	Sample	Lab	Meth/	040				Data	EPA Data
a	sample No.	nebru	vate	Lab Anty. No.	Matrix	CAS NO.	Analyte Description	80 CONC	meas Lodes	anars	wuats
MW-03-01	M030126X	26.0	04-DEC-96	RL 52856-01	DRO /W		Diesel range organics	LT 100	UGL		
					GPB1/W	7439-92-1	Lead	LT 3	NGL		
					GRO /W		Gasoline range organics	LT 10	Jbn		
					GSE1/W	7782-49-2			Ton		
					GTL1/W	7440-28-0	Thallium	LT 10	NGL NGL		
					HGC1/W	2439-97-6	Mercury	LT .2	Net		
					ICM1/W	7440-36-0	Antimony	LT 1	ner		
						7440-38-2	Arsenic	LT 5	NGL		
						7440-41-7	Beryllium	LT 1	Ner		
						2440-43-9	Cadmium		NGL		
					1CP2/W	7429-90-5	Aluminum	LT 200	ner		
						7439-89-6	Iron		UGL		
						7439-95-4	Magnesium	21800	ner n		
						7439-96-5	Manganese	LT 15	UGL		
						7440-02-0	Nickel		UGL		
						2440-09-7	Potassium	LT 5000	UGF		
						7440-22-4	Silver		UGL		
						7440-23-5	Sodium	62100	NGL		
						7440-39-3	Barium	LT 200	NGL		
						7440-47-3	Chromium		NGL		
						7440-48-4	Cobalt		Net		
						7440-50-8	Copper	LT 25	Ner		
						7440-62-2	Vanadium		Ner		
						2440-66-6	Zinc	LT 20	ner		
						7440-70-2	Calcium	80100	ner		
					SMV1/W	100-01-6	4-Nitroaniline		Ner		
						100-02-7	4-Nitrophenol		Ner		
						105-67-9	2,4-Dimethylphenol	LT 10	ner		
						106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol		Ner		
						106-46-7	1,4-Dichlorobenzene		ner		
						106-47-8	4-Chloroaniline		UGL		
						108-60-1	Bis(2-chloroisopropyl) ether	LT 10	ner		
						108-95-2	Phenol / Carbolic acid / Phenic acid		NGL		
							/ Phenylic acid / Phe*				
						111-44-4	Bis(2-chloroethyl) ether	LT 10	UGL		
						111-91-1	Bis(2-chloroethoxy) methane		ner		
						117-81-7	Bis(2-ethylhexyl) phthalate		UGL		
						117-84-0	Di-n-octyl phthalate	LT 10	Ton .		
						118-74-1	Hexachlorobenzene	LT 10	של הפר		
						120-12-7	Anthracene		=======================================		

01 02 01 01 01 01 01 01 01

1,2,4-Trichlorobenzene 2,4-Dichlorophenol 2,4-Dinitrotoluene Benzo (deflphenanthrene / Pyrene

Anthracene

111-44-4 111-91-1 117-81-7 118-74-1 120-12-7 120-83-1 121-14-2 129-00-0

^{* -} Analyte Description has been truncated. See Data Dictionary

EPA Data Quals

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW

							Sampling	g Date Range:	Sampling Date Range: 01-JAN-75 15-JAN-97	2			
	Site	Field		Sample		Lab	Meth/			I		Unit Flag	Dat
	2	Sample No.	Depth	Date		Lab Anly. No. Matrix	Matrix	K CAS No.	Analyte Description	Bo Conc	2	Meas Codes	g g
	:		!!!!	:	:		1 1 1			:	;		;
EL.	MV-03-01	M030126X	26.0	8	귍	52856-01	SHV1/W	RL 52856-01 SMV1/W 131-11-3		LT 10		ner	

Data Quals	:																																									
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_	: 0				1 2 2		LT 10	-	L1 13			LT 25		17 25			LT 10	LT 10			•	LT 10		LT 10		17 10	LT 10		LT 10			LT 10		17 25	17 10				LT 10			
Analyte Description			Benzo fahilperylene	Indeport 2 7-5 Discrete	Benzofolfluoranthene / 3.4-	Benzofluoranthene	Fluoranthene	Benzo [k] fluoranthene	Acenaphthylene	Chrysene	Benzo (a) pyrene	2,4-Dinitrophenol	Dibenz [ah] anthracene / 1,2:5,6-	Dibenzanthracene 4,6-Dinitro-2-cresol / 2-Methyl-4,6-	dinitrophenol	1, 5-Dichlorobenzene	Benzo (a) anthracene	3-Methyl-4-chlorophenol / 4-Chloro-3-	cresol / 4-Chloro-3-m*	2,6-Dinitrotoluene	N-Nitrosodi-n-propylamine	Hexachloroethane	Mexachlorocyclopentadiene	Isophorone	Acenaphthene	Diethyl phthalate	Di-n-butyl phthalate	Phenanthrene	Butylbenzyl phthalate	N-Nitrosodiphenylamine	Fluorene / 94-Fluorene	Carbazole / 9M-Carbazole	Hexachlorobutadiene / Hexachloro-1,3-	Pentachlorophenol	2,4,6-Trichlorophenol	2-Nitroaniline	2-Nitrophenol	Naphthalene / Tar camphor	2-Methylnaphthalene	2-Chloronaphthalene	3,3'-Dichlorobenzidine	o-Cresol / 2-Cresol / 2-Methylphenol
	CMV4 /U 121.11.2	•	101-24-2	104-70-5	205-99-2		206-44-0	207-08-9	208-96-8	218-01-9	50-32-8	51-28-5	53-70-3	534-52-1	,	1-6/-146	26-55-3	29-20-7		606-20-2	621-64-7	67-72-1	77-47-4	78-59-1	83-32-9	84-66-2	84-74-2	82-01-8	85-68-7	9-30-9	86-73-7	8-1/-98	87-68-3	87-86-5	88-06-2	88-74-4	88-73-5	91-20-3	91-57-6	91-58-7	91-94-1	2-48-7

* - Analyte Description has been truncated. See Data Dictionary

15-JAN-97

Site Site
Type ID
---WELL MW-03-01

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW 15-JAN-97

EPA Data Quals	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																																															
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Analyte Description	1 2-Dich (000hourse)		Z-culorophenol	2,4,5-Trichlorophenol	Nitrobenzene / Essence of mirbane /	Oil of mirbane .	3-Nitroaniline	4-Bromonhanyi nhanyi athar	/ Objective profits of the	4-chiorophenyl phenyl ether	Ethylbenzene	Styrene / Ethenylbenzene / Styrol /	Styrolene / Cinnamene *	cis-1,3-Dichloropropylene / cis-1,3-	Dichloropropene	1.2-Dichloroethane	Methyl isobutyl ketone /	Isopropylacetone / 4-Methyl-2-pen*	Tolliene	Chlombonsone / Monochlometers	chiolopenzene / Monochioropenzene	Dibromochloromethane /	Chlorodibromomethane	Tetrachloroethylene /	Tetrachloroethene / Derchloroethylen*	1 2-Dichloroethylenes (cis and trans	icomerc) / Acetylene *	Conton totanohimido	במו חסון וברו שכוויוסו ומב	Methyl n-butyl Ketone / Z-Hexanone	Acetone	Chloroform	Benzene	1,1,1-Trichloroethane	Bromomethane	Chloromethane	Chloroethane	Vinyl chloride / Chloroethene	Methylene chloride / Dichloromethane	Carbon disulfide	Bromoform	Bromodichloromethane	1,1-Dichloroethane	1.1-Dichloroethylene / 1.1-	Dichloroethene	1,2-Dichloropropane	Methyl ethyl ketone / 2-Rutanone	1,1,2-Trichloroethane
CAS No.	05-50-1	77-70-1	8-76-66	95-95-4	98-95-3		2-00-66	1		,	100-41-4	100-42-5		10061-01-5		107-06-2	108-10-1		108-88-3	108-00-7	1-04-001	1-84-471		127-18-4		240-59-0		EK. 22.E	70-67-0	9-8/-160	67-64-1	67-66-3	71-43-2	71-55-6	74-83-9	74-87-3	75-00-3	75-01-4	75-09-2	75-15-0	75-25-2	75-27-4	75-34-3	75-35-4		78-87-5	78-93-3	2-00-62
Meth/ Matrix	CWV1 /U									•	VMS1/W																																•	•		•	•	-
Lab Lab Anly. No.	PI 52856-01																																															
Sample Date	04-her-04	21 050																																														
Depth	2,4	3																																														
Field Sample No.	MOZO126X																																	-														

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Site Type

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW

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	Unit Flag	Meas Codes		UGE		ฮ	<u>ප්</u>	ತ :	3 3	3 3	1 95	UGL	J9N	UGL	7	UGL	ਰ ਨ	J Ner	<u>ਦ</u>	Jon Oer	덩	UGL	ายา	ا ا	1 95 :	1	1 10	# 5	חפר	ner	Jg N	NGL	ายา	J J	UGL	Tg net	Tgn	UGL		<u>ප්</u>	1	ન આ	ายก
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01-JAN-75 15-JAN-97		Analyte Description	Trichloroethylene / Trichloroethene /	Tetrachloroethane / 1,1,2,2-	Tetrachloroethane / Acetylene *	Xylenes, total combined	trans-1,3-Dichloropropene	Diesel range organics	-			Mercury	Antimony	Arsenic	Beryllium	Cedaium	Aluminum	Iron	Magnesium	Manganese	Nickel	Potassium	Silver	Sodium		Chromica	118702	Variation	Zinc	Calcium	4-Nitroaniline	4-Nitrophenol		p-Cresol / 4-Cresol / 4-Methylphenol	1,4-Dichlorobenzene	4-Chloroaniline	Bis(2-chloroisopropyl) ether	Phenol / Carbolic acid / Phenic acid	/ Phenylic acid / Phe*	Bis(2-chloroethyl) ether	Bis(z-chloroethoxy) methane	Bis(2-ethylhexyl) phthalate	Di-n-octyl phthalate
Date Range: 01-JAN-75		CAS No.	79-01-6	79-34-5				7/20-02-1	1-34-46+1	2-67-2822	7440-28-0	7439-97-6	7440-36-0	7440-38-2	7440-41-7	7440-43-9	7429-90-5	7439-89-6	7439-95-4	7439-96-5	7440-02-0	2-60-05-2	7440-22-4	7440-23-5	7440-39-5	7440-47-3	74.40-40-4	7440-62-2	9-99-047	7440-70-2	100-01-6	100-02-7	105-67-9	106-44-5	106-46-7	106-47-8	108-60-1	108-95-2		111-44-4	1-14-111	7-18-711	117-84-0
Sampling	Meth/	Matrix	VMS1/W				;	080 /w	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	GSF1/U	GTL1/4	HGC1/N	ICM1/1				1CP2/W														SHV1/W												
	Lab	Lab Anly. No.	52856-01					20-95825																																			
		Lab	RL				i	됩																																			
	Sample	Date	04-DEC-96					04-DEC-96																																			
		Depth	26.0				8	77.0																																			
	Field	Sample No.	M030126X					MUSUSZZX																																			
	Site	9 :	MV-03-01					MW-03-02																																			

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW 15-JAN-97

Meas Codes Quals Quals		UGL	ner	กอเ	ner	9.	UGL	75	UGL	חפר	NGL	ner	Ner	ner	UGL	NGL	ner	ner		SL		귱 :	ಕ್ಷ :	9	:	191	ופר פריים ו	ופר חפר		;	UGL	15	NGL	NGL	ner	UGL	ner	75	31		JOL	חפר	75	
Conc		0 :	9	9	10	9	10	10	10	10	10	10	10	LT 10 UG	10	10	LT 25 UG	10	!	LT 25 UGL	•	ביי יים חפר ביי		2	•	£	2 ;	0.		2 9	2:	10	9	10	LT 10 UG	10	9	10			LT 25 UG	10		
Analyte Description	Hexachlorobenzene					/ Pyrene	Dimethyl phthalate		ylene		- 5' 4-		nthene	hylene				sene / 1,2:5,6-		-cresol / 2-Methyl-4,6-				/ 4-Chloro-5-	7-Ⅲ×		opylamine		syclopentadiene				nthalate					e.	Hexachlorobutadiene / Hexachloro-1,3-	•		2,4,6-Trichlorophenol		
Meth/ Matrix CAS No.	-	120-12-7	120-82-1	120-83-2	121-14-2	129-00-0	131-11-3	132-64-9	191-24-2	193-39-5	205-99-2	206-44-0	207-08-9	208-96-8	218-01-9	50-32-8	51-28-5	53-70-3		534-52-1	1	541-73-1	56-55-3	7-04-64		606-20-2	621-64-7	67-72-1	7-4-77	78-59-1	85-52-9	84-66-2	84-74-2	85-01-8	85-68-7	86-30-6	86-73-7	8-74-8	87-68-3		87-86-5	88-06-2	88-74-4	
Lab Anly. No. Mat																																												
Sample th Date	0																																											
Field Sample No. Depth							-																																					
Site Site Type ID S	MW-03-02																																											

* - Analyte Description has been truncated. See Data Dictionary

Site Type

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGM

M030222X 22.0 04-DEC-96 RL 52856-02 SWV1/W 88-75-5 91-20-3 91-20-3 91-50-9 91-	Me Unit Flag Data E Bo Conc Meas Codes Quals		01.	amphor LT		C + -	2 ;		- 1	ל ב-שברוו או לשובנוסו רו וח	ר	CF F-	2 1	ב	e of mirbane /		3C 1	<u>.</u>	יייי ייי	ether LT 10	nd 550 30 UGL	10	÷ 6	0.7	LT 1	Styrene / Ethenylbenzene / Styrol / LT 1 UGL	mamene #	cis-1.3-Dichloropropylene / cis-1.3- LT 1 UGL		- 1	•		Chlorobenzene / Monochlorobenzene LT 1 UGL	LT 1		erchiocoethylent	TOTAL CONTROL A TELEVISION OF THE TELEVISION OF	*		- (CT 5	LT 5 UGL	_			_	LT 1 UGL	•	Chloroethane LT 1 UGL
M030222X 22.0 04-DEC-96 RL 52856-02 SWV1/W																Oil of mirbane				4-Chlorophenyl	Unknown compor	Unknown compor	iomos anorali				Styrolene / Ci						_								_							00-3 Chloroethane	
M030222X 22.0 04-DEC-96 RL				7-14	91-5	3-10	n	91-6	7-50	T :	95-5	9.50	2 5	Ş	6-86 6-86		0.00	•								1 00-		1006	107-	90	9	-5	108	124-	127-	į	-075		24.7	ָ כל כל	-166	9-29	9-79	7-12	 C-	24-8	24-8	33-0	
M030222X 22.0	Lab Anly. No.	:																																															
M030222X																																																	
MV-03-02			20001																																-														
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Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW

15-JAN-97	
01-JAN-75	
Date Range:	
Sampling	

EPA Data Quals	
Data Quals	
Unit Flag Meas Codes 	**************************************
Me Conc Conc Conc Conc Conc Conc Conc Conc	11 100 17 3 11 100 17 10 17 10 17 10 1000 17 10 10 10 11 20 11 25 11 25 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 20 11 25 11 25 11 25 11 25 11 10 10 10 10 10 10 10 10 10 10 10 10
Analyte Description Carbon disulfide Bromoform Bromodichloromethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropropane Methyl ethyl ketone / 2-Butanone 1,1,2-Trichloroethane Trichloroethane Trichloroethane Trichloroethane / 1,1,2,2- Tetrachloroethane / 1,1,2,2- Tetrachloroethane / 1,1,2,2- Tetrachloroethane / 1,1,2,2- Tetrachloroethane / 3,2,3- Tetrachloroethane / 3,2,3- Tetrachloroethane / 3,3,2,3- Tetrachloroethane / 3,3,3,3,3,3,3,3,3,3,3,3,3,3,3,3,3,3,3	Diesel range organics Lead Gasoline range organics Lead Gasoline range organics Selenium Thallium Mercury Antimony Arsenic Beryllium Cadmium Aluminum Iron Magnesium Magnese Nickel Potassium Silver Sodium Barium Chromium Cobalt Cobalt Copper Vanadium Zinc Calcium 4-Nitrophenol 2,4-Dimethylphenol
CAS No	7439-92-1 7782-49-2 7440-28-0 7440-36-0 7440-36-0 7440-41-7 7440-43-9 7440-43-9 7440-02-0 7440-02-0 7440-02-0 7440-02-0 7440-02-0 7440-02-0 7440-02-0 7440-02-0 7440-02-0 7440-02-0 7440-0-02-0 7440-0-02-0 7440-0-02-0 7440-0-02-0
Meth/ Matrix VMS1/W	DRO /W GRO /W GSE1/W GTL1/W HGC1/W ICM1/W ICM1/W
Lab Anly. No. 	76 RL 52856-03
	교
Sample Date 04-DEC-96	9
22.0	20.0
Field Sample No.	MW-08-01 M080120X 20.0 03-DE
Site ID MW-03-02	MN-08-01
Site Type	* *

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Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN)

15-JAN-97	
01-JAN-75	
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Date Range: 01-JAN-75 15-JAN-97	Analyte Description	Creeks / Landship	1 4-Dichlorobenses	4,4 order i ine	Bis (2-chloroisoprom/) ather	Phenol / Carbolic acid / Phenic acid	/ Phenylic acid / Phe*	Bis(2-chloroethyl) ether	Ris(2-chloroethoxy) methane	Bis/2-eth/hex/1 ofthelete	Di-n-octvl obthalata	Hexachiorobenzene	Anthracene	1.2.4-Trichlorobenzene	2.4-Dichlorophenol	2,4-Dinitrotoluene	Benzo[def]phenanthrene / Pyrene	Dimethyl phthalate	Dibenzofuran	Benzofahilberylene	Indeno[1,2,3-C.D]pyrene	Benzofhifluorenthene / 7 /-	Benzofluorenthene	Fluoranthene	Benacify161.Stepthene		Acenaphtnytene	Chrysene	senzolaj pyrene	2,4-Dinitrophenol	Dibenz[ah]anthracene / 1,2:5,6-	Dibenzanthracene	4,6-Dinitro-2-cresol / 2-Methyl-4,6-	dini trophenol	1,3-Dichlorobenzene	Benzo (a) anthracene	3-Methyl-4-chlorophenol / 4-Chloro-3-	cresol / 4-Chloro-3-m*	2,6-Dinitrotoluene	N-Nitrosodi-n-propylamine	Hexachloroethane	Hexachlorocyclopentadiene	Sochorone	Acensylthese	Diethyl phthelete	Di-n-butyl phthalate	
Date Range	CAS No.	104-44-5	106-44-7	106-47-8	108-40-1	108-95-2		111-44-4	111-01-1	117-81-7	117-84-0	118-74-1	120-12-7	120-82-1	120-83-2	121-14-2	129-00-0	131-11-3	132-64-9	191-24-2	193-39-5	205-00-2	7-44-507	206-44-0	207-08-0	208-06-0	218 21 0	218-01-9	20-25-05	51-28-5	53-70-3	;	534-52-1	!	541-73-1	56-55-3	59-50-7		606-20-2	621-64-7	67-72-1	7-27-11	78-59-1	83-32-0	84-66-2	84-74-2 84-74-2	
Sampling	Meth/ Matrix	CMV1/U	# / · · ·																																												
•		DI 52856-03																																													
	Sample Date	03-DEC-06	2 22 2																																												
	Depth	20.02	2																																												
	Field Sample No.	M080120x																																													
	Site ID	 MU-08-01																																													
	Site Type	: <u>-</u>																																													

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Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW 15-JAN-97

EPA Data Quals																																																			
Data Quals	:																																																		
Unit Flag Meas Codes	1 1 1 1 1	ner	ner	 	3	ומר מיני	NGL	NGL		191	3 2	100	ner	ner	NGL	ner	196	1 2	355	- GE	UGF	UGL	NGL	ner	!	3	Jer Cer	ner ner	ner	ner		100	3	UGF	;	חפר	NGL		NGL	ner	190	}	1911	}	2	•	Š	ויים חפור ביים המודים ביים מודים ביים ביים ביים ביים ביים ביים ביים ב	- - - -	חפר	NGL
	:	LT 10	LT 10				_			11 25	1 -		C :			LT 10		- L					17 25				0:			111	- -	-	-	-	•	_	LT 5		111	[1]			1 1		111			- ;	בו נו	LI >	LT 1
Analyte Description	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Phenanthrene	Butvibenzvi phthalate	N-Nitrosodiphenylamine	Elipson / Ou-Elipson	בותסו בווב / איירות בווב	Carbazole / 9M-Carbazole	Hexachlorobutadiene / Hexachloro-1,3-	butadiene	Pentachlorophenol	2 / 4-Trichlonophonol		Z-Nitroaniline	Z-Witrophenol	Naphthalene / Tar camphor	2-Methylnaphthalene	2-Chloronaphthalene	3.3/-Dichlorobenzidine	Order / 2-frace / 2-Methylphone	A D Distinctional Control of the con	1,2-Dichioropenzene	2-Chlorophenol	2,4,5-Trichlorophenol	Nitrobenzene / Essence of mirbane /	Oil of mirbane	Z_N: + + + + + + + + + + + + + + + + + + +	2-Nitroanitine	4-Bromophenyi phenyl ether	4-Chlorophenyl phenyl ether	Ethylbenzene	Styrene / Ethenylhenzene / Styrel /	Stylency Lineary well-kelle / Stylet /	official Z-Dish commonstance / pipe 1 Z-	Dishlonomonon		1,2-Dichloroethane	Methyl isobutyl ketone /	Isopropylacetone / 4-Methyl-2-pen*	Toluene	Chlorobenzene / Monochlorobenzene	Dibromochloromethane /	Chlorodibromomethane	Tetrachloroethylene /	Tetrachloroethene / Perchloroethylen*	1.2-Dichloroethylenes (cis and trans	isomers) / Acetylene *	Control of Acceptant	Carbon tetrachioride	Methyl n-butyl ketone / 2-Hexanone	Acetone	Chloroform
CAS No.		85-01-8	85-68-7	86-30-6	84-77-7	2-7-00	80-74-8	87-68-3		87-86-5	88-04-2	1 2	88-74-4	88-72-5	91-20-3	91-57-6	91-58-7	01-04-1	05-78-7	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1-06-64	95-57-8	95-95-4	98-95-3		6-00-00	7-60-66			100-41-4	100-42-5	1	10041-01-5	C-10-19001		7-90-701	108-10-1		108-88-3	108-90-7	124-48-1		127-18-4	!	240-59-0		3 20 73	20-63-0	291-78-6	0/-04-1	67-66-3
Meth/ Matrix	:	SMV1/W																												VMS1/W	•																				
	•	RL 52856-03																																																	
Sample Date		03-DEC-96																																																	
Depth		20.0																																																	
Field Sample No.		M080120X																																																	
Site ID	:	MW-08-01																																																	
Site Type		MELL																		-																															

* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW

	EPA Data Quals	; ; ; ;																																									
	Data Quals	• • • •																																									
	Unit Flag Meas Codes		ਰ ਨ	1	i 5	อก	J9N	UGL	Jon	ายก	חפר	ner	:	ฮูก	าอก	ฮก	<u>ප</u>		תפר		5	13 C	Jen	ฮก	Jon	ฮ	J O	ಕ	ಕ್ಷ :	ਤੂ <u>:</u>	3 3	1 2	3 3	3 2	1 1 1 1		=	195	.	1 55	j j	1 50	UGL
	Me Bo Conc		:	 - <u>-</u>				111	[1]	L1 1	LT 1	- 1	,	֡֜֝֞֜֜֜֝֜֜֝֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֜֜֜֓֓֡֜֜֜֜֜֜֡֓֓֡֡֡֜֜֜֝֡֡֡֜֜֝֡֡֡֡֡֡֡֓֜֜֝֡֡֡֜֜֝֡֡֡֡֜֜֡֡֡֡֡֡֡֜֜֝֡֡֜֜֜֝֡֡֜֜֜֝֡֡֜֜֡֜֜	LT 15	L 1	-	•	111	•	7			LT 100		LT 10		LT 10	7	 - !			- 1 - 1	1 100		LT 15	_		1 10		LT 200	LT 10	
File Type: CGW Sampling Date Range: 01-JAN-75 15-JAN-97	Analyte Description	Benzene	1,1,1-Trichloroethane	Chloromethane	Chloroethane	Vinyl chloride / Chloroethene	Methylene chloride / Dichloromethane	Carbon disulfide	Bromoform	Bromodichloromethane	1,1-Dichloroethane	1,1-Dichloroethylene / 1,1-	Dichloroethere	1, Z-Ulchioropropane	Methyl ethyl ketone / Z-Butanone	1,1,2-Trichloroethane	irichloroethylene /Irichloroethene /	Ethinyl trichloride /1*		Tetrachloroethane / Acetylene *	Unknown compound 052	Aylenes, total combined	trans-1,3-Ulchloropropene	Diesel range organics	Lead	Gasoline range organics			Hercury	Antimony		Cochius	Almina	5.	Magnesium	Manganese	Zicke	Potassium	Silver	Sodium	Barium	Chromium	Cobalt
Date Range	CAS No.	71-43-2	71-55-6	74-87-3	75-00-3	75-01-4	75-09-2	75-15-0	75-25-2	75-27-4	75-34-3	4-00-01	7 60 07	70-07-2	78-93-5	79-00-5 20 04-5	9-10-6		(7-54-5						7439-92-1	0	7-64-79//	0-97-044/	74.09-74-0	0-96-044/	7440-41-7	6-67-077	7429-90-5	7439-89-6	7439-95-4	7439-96-5	7440-02-0	7440-09-7	7440-22-4	7440-23-5	7440-39-3	7440-47-3	7-87-057
Sampling	Meth/ Matrix	VMS1/W																											מרייא מרייא			•	ICP2/W		•	•	•	•-	• -	•		••	•
	Lab Lab Anly. No.	52856-03																					70 73003	22836-04																			
	Lab																						ā	¥																			
	Sample Date	03-DEC-96																					70 - 020 - 70	04-DEC-90																			
	Depth	20.0																					44																				
	Field Sample No.	M080120X																					M000112V	ACT LOYOF																			
	Site ID	MW-08-01																					MU-00-01	10-40- M																			
	Site Type	MELL																																									

* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGM

15-JAN-97	
 ange: 01-JAN-75	
Sampling Date Ra	

EPA Data Quals	1 5 1 1 1 1																																										
Data Quals	:																																										
	ner Ner	de le	NGL	ng r	15 C	ายก	UGF	UGL	Jg Ng	UGF	NGL		UGL	UGF	NGL	NGL	UGL	ner	ner	Ner	Net	Ner	UGL	NGL	NGL	NGL	ner		ner ne	를 :	15 G	הפי	ה	1 5	าด	3	UGF	3	3 3	3 5	3	ner	
	11 25	L1 20		LT 25			LT 10				LT 10		LT 10											LT 10					LT 10		LT 10					, .	9	-	2 5	; <u>-</u>	5	LT 10	
Analyte Description	Copper	Vanadium Zinc	Calcium	4-Nitroaniline	4-Nitrophenol		p-Cresol / 4-Cresol / 4-Methylphenol	1,4-Dichlorobenzene	4-Chloroaniline	Bis(2-chloroisopropyl) ether	Phenol / Carbolic acid / Phenic acid	/ Phenylic acid / Phe*	Bis(2-chloroethyl) ether	Bis(2-chloroethoxy) methane	Bis(2-ethylhexyl) phthalate	Di-n-octyl phthalate	Hexachlorobenzene	Anthracene	1,2,4-Trichlorobenzene	2,4-Dichlorophenol	2,4-Dinitrotoluene	Benzo[def]phenanthrene / Pyrene	Dimethyl phthalate	Dibenzofuran	Benzo[ghi]perylene	Indeno[1,2,3-C,D]pyrene	Benzo[b]fluoranthene / 3,4-	Benzofluoranthene	Fluoranthene	Benzo [k] fluoranthene	Acenaphthylene	Chrysene	Benzo [a] pyrene	Z,4-Dinitrophenol	Dibenz[ah]anthracene / 1,2:5,6-	Ulbenzantnracene	4,6-Dinitro-Z-cresol / Z-Metnyl-4,6-	dinitrophenol	1,5-Uichiopenzene	Z-Mothyl-7-chlorophonol / 4-chloro-3-	creso! / 4-Chloropieno: / 4-chlorop	2,6-Dinitrotoluene	
CAS No.	7440-50-8	7440-62-2	7440-70-2	100-01-6	100-02-7	105-67-9	106-44-5	106-46-7	106-47-8	108-60-1	108-95-2		111-44-4	111-91-1	117-81-7	117-84-0	118-74-1	120-12-7	120-82-1	120-83-2	121-14-2	129-00-0	131-11-3	132-64-9	191-24-2	193-39-5	205-99-2		206-44-0	207-08-9	208-96-8	218-01-9	50-32-8	28-15	55-70-5		554-52-1	1	541-73-1	50-50-7	1-00-40	606-20-2	
Meth/ Matrix	ICP2/W			SMV1/W																																							
Lab Lab Anly. No.	RL 52856-04																																										
Sample Date	04-DEC-96																																										•
Depth	13.0																																										
Field Sample No.	M090113X																																										
Site ID	MW-09-01																																										
Site Type																																											•

* - Analyte Description has been truncated. See Data Dictionary

EPA Data Quals

Data Quals

Unit Flag Meas Codes

င္ဝပင

N-Nitrosodi-n-propylamine **Hexach**lorocyclopentadiene

621-64-7 67-72-1 77-47-4 78-59-1

CAS No.

Lab Anly. No. 52856-04

Sample

Field

Site Type

15-JAN-97

Meth/ Matrix SMV1/W **Hexach Loroethane**

Analyte Description

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW Sampling Date Range: 01-JAN-75 15-JAN-97

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Hexachlorobutadiene / Hexachloro-1,3-

Carbazole / 9M-Carbazole

Butylbenzyl phthalate N-Nitrosodiphenylamine Fluorene / 9M-Fluorene

Diethyl phthalate Di-n-butyl phthalate

Acenaph thene

Phenanthrene

83-32-9 84-66-2 84-74-2 85-01-8 85-68-7 86-30-6 86-73-7 86-74-8

04-DEC-96 Date 13.0 Depth Sample No. M090113X MU-09-01 **=**

o-Cresol / 2-Cresol / 2-Methylphenol

Naphthalene / Tar camphor

2-Nitrophenol

87-86-5 88-06-2 88-74-4 88-75-5 91-20-3 91-57-6

2,4,6-Trichlorophenol 2-Nitroaniline

Pentachlorophenol

butadiene

2-Methylnaphthalene 2-Chloronaphthalene 3,3'-Dichlorobenzidine

91-58-7 91-94-1

Nitrobenzene / Essence of mirbane /

Oil of mirbane 3-Nitroaniline

8-08-5

2-Chlorophenol 2,4,5-Trichlorophenol

95-48-7 95-50-1 95-57-8 95-95-4 98-95-3

1,2-Dichlorobenzene

55555

11 35 11 15 11 15 11 1

4-Chlorophenyl phenyl ether

Ethylbenzene

100-41-4 100-42-5

VMS1/I

렺

11

cis-1,3-Dichloropropylene / cis-1,3-

10061-01-5

Styrene / Ethenylbenzene / Styrol / Styrolene / Cinnamene *

걸절

LT 1 LT 5

Isopropylacetone / 4-Methyl-2-pen* Chlorobenzene / Monochlorobenzene

Methyl isobutyl ketone /

,2-Dichloroethane

107-06-2 108-10-1

Dichloropropene

털털털

777

* - Analyte Description has been truncated. See Data Dictionary

Chlorodibromomethane 127-18-4

Dibromochloromethane /

108-88-3 108-90-7 124-48-1

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW 15-JAN-97

Field Sample Sample Sample No. Depth Date MO90113X 13.0 04-DEC-96

Site Site
Type ID
---WELL MW-09-01

EPA Data Quals																													
Data Quals	:																												
_	ner	ĕ	180	Ner	NGL	UGL	Ner	Ner	ner	Jen	Not.	ner ner	Ner	ner	UGL	Ner	Tgn	Jon	NGL		ner	T9N	UGL	Ner		NGF		평 :	190
Me Bo Conc		-	- -	LT 1	LT 5	LT 5	111	17	11		LT 1	1 1	11 1	LT 1	11	11		11	11 1		11	LT 15	11	11		11		<u>, , , , , , , , , , , , , , , , , , , </u>	-
Analyte Description	Tetrachloroethylene /	Tetrachloroethene / Perchloroethylen*	isomers) / Acetylene *	Carbon tetrachloride	Methyl n-butyl ketone / 2-Hexanone	Acetone	Chloroform	Benzene	1,1,1-Trichloroethane	Bromomethane	Chloromethane	Chloroethane	Vinyl chloride / Chloroethene	Methylene chloride / Dichloromethane	Carbon disulfide	Bromoform	Bromodichloromethane	1,1-Dichloroethane	1,1-Dichloroethylene / 1,1-	Dichloroethene	1,2-Dichloropropane	Methyl ethyl ketone / 2-Butanone	1,1,2-Trichloroethane	Trichloroethylene /Trichloroethene /	Ethinyl trichloride /T*	Tetrachloroethane / 1,1,2,2-	Tetrachloroethane / Acetylene *	Xylenes, total combined	crans-1,2-u icn coropene
CAS No.	127-18-4	E.O.EO.O	0-60-040	56-23-5	591-78-6	67-64-1	67-66-3	71-43-2	71-55-6	74-83-9	74-87-3	75-00-3	75-01-4	75-09-2	75-15-0	75-25-2	75-27-4	75-34-3	75-35-4		78-87-5	78-93-3	2-00-62	79-01-6		79-34-5			
Meth/ Matrix	VMS1/W																												
_	RL 52856-04																												

^{**} End of Report - 493 Records Found **

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SOURCE WATER DATA

ABB Environmental Services, Inc.

W001976APP

Site Type ----

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW

* - Analyte Description has been truncated. See Data Dictionary

Site Type

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW 28-JAN-97

Data EPA Data Quals Quals	•																																										
Unit Flag	7 191	> > 3 =	> > 3 3 3	> 150 150	ner <		oer Oer	ner ner	> 700F	NGL V	^	NGL V	> 190		> 001		^ กซา	> ายก	7 NGL ~		79N	חפר <	790 Ner ^	^ ner	^ 190		oer Oer						> - 19 1	> 100	7	• > 3 3		> : 3 :		-		> 190	> 190
Me Bo Conc	1 1 1		5 5				•	•	LT 10	LT 10	LT 10	•			17 25		LT 10	ב	- LT 10		17 10		1 10					LT 10					2 5	3	7, 7,			3 :			LT 10		LT 10
Analyte Description	Dimethyl chthalate	Dibenzofuren	Benzo (ghi) pery ene	Indeno[1,2,3-C,D]pyrene	Benzo[b] fluoranthene / 3,4-	Benzofluoranthene	Fluoranthene	Benzo [k] fluoranthene	Acenaphthylene	Chrysene	Benzo [a] pyrene	2.4-Dinitrophenol	Dibenz[ah]anthracene / 1,2:5,6-	Dibenzanthracene	4,6-Dinitro-2-cresol / 2-Methyl-4,6-	dinitrophenol	1,3-Dichlorobenzene	Benzo (a) anthracene	3-Methyl-4-chlorophenol / 4-Chloro-3-	cresol / 4-Chloro-3-m*	2,6-Dinitrotoluene	N-Nitrosodi-n-propylamine	Hexachloroethane	Hexachlorocyclopentadiene	Isophorone	Acenaphthene	Diethyl phthalate	Di-n-butyl phthalate	Phenanthrene	Butylbenzyl phthalate	N-Nitrosodiphenylamine	Fluorene / 9M-Fluorene	Carbazole / Wr-Carbazole	tritadione	Dentach proband	2 & A-Trichlorophenol		2-Nitroanitine 2-Nitro-Lond	Z-N1 trophenol	Naphthalene / Tar camphor	2-Methylnaphthalene	2-Chloronaphthalene	3.3'-Dichlorobenzidine
CAS No.	131-11-3	132-64-9	191-24-2	193-39-5	205-99-2		206-44-0	207-08-9	208-96-8	218-01-9	50-32-8	51-28-5	53-70-3		534-52-1		541-73-1	56-55-3	59-50-7		606-20-2	621-64-7	67-72-1	77-47-4	78-59-1	83-32-9	84-66-2	84-74-2	85-01-8	85-68-7	86-50-6	86-73-7	0- te-0 2-7-78	3	87-86-5	88-06-2	88-7/-/	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C-C/-00	91-20-3	91-57-6	91-58-7	1-36-16
Meth/ Matrix	SMV1/L																																										
Lab Anly. No.	RL 52614-01																																										
Sample Date	14-NOV-96																																										
£	0.0																																										
Depth	•																																										
Field Sample No. Dept		ı																																									

* - Analyte Description has been truncated. See Data Dictionary

Site Site Type ID

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW 28-JAN-97

	EPA Data	Quals	1 1 1 1 1																																												
	Data	Quals	:																																												
	Unit Flag	Meas Codes		ngr v	ng.	ngr v	ngr v		NGL <		NGL V	. A JON	ngr v		ngr v		ogr.	NGL <		ngr <	ner v	ner v		ner v		A JOH		A JOU) N	· >	> > 101	> >	> > -					> : : 06:	> : 0::		ngr <	ngr v	OGL V	ngr v	ogr Ogr	ngr v	V Jou
	Me	Bo Conc	:				LT 10		LT 25	LT 10	LT 10	1.1	LT 1		LT 1	•		11.5		-	LT 1	11		LT 1		LI 1			11.5	. L	; -				- :	- ·	_ :	- , ::	- ·		L1 1	- 1	LT 1	11 1		LT 15	1.1
10-NAU-10		Analyte Description	* * * * * * * * * * * * * * * * * * * *	1,2-Dichlorobenzene	2-Chlorophenol	2,4,5-Trichlorophenol	Nitrobenzene / Essence of mirbane /	Oil of mirbane	3-Nitroaniline	4-Bromophenyl phenyl ether	4-Chlorophenyl phenyl ether	Ethylbenzene	Styrene / Ethenylbenzene / Styrol /	Styrolene / Cinnamene *	cis-1,3-Dichloropropylene / cis-1,3-	n ich i opropene	1,2-Dichtoroethane	Methyl isobutyl ketone /	Isopropylacetone / 4-Methyl-2-pen*	Toluene	Chlorobenzene / Monochlorobenzene	Dibromochloromethane /	Chlorodibromomethane	Tetrachloroethylene /	Tetrachloroethene / Perchloroethylen*	1.2-Dichloroethylenes (cis and trans	isomers) / Acetvlene *	Carbon tetrachloride	Methyl n-butyl ketone / 2-Hexanone	Acetone	Chloroform		Delizene 1 1 1 temeskierie		broinding than e	Chloromethane	Unioroethane	Vinyi chloride / Chloroethene	Methylene chloride / Dichloromethane	Carbon disultide	Bromoform	Bromodichloromethane	1,1-Dichloroethane	1,1-Dichloroethylene / 1,1-	1,2-Dichloropropane	Methyl ethyl ketone / 2-Butanone	1,1,2-Trichloroethane
חמוב עמוואב: חו-חאמ-נט		CAS No.	:	95-50-1	95-57-8	95-95-4	98-95-3		99-09-2			100-41-4	100-42-5		10061-01-5		107-06-2	108-10-1		108-88-3	108-90-7	124-48-1		127-18-4		540-59-0		56-23-5	591-78-6	67-64-1	2-99-29	27-17	71-65-4	0.00.1	74-03-7	74-07-3	2-00-2	77-01-4	7-60-57	12-12-0	75-25-2	75-27-4	75-34-3	75-35-4	78-87-5	78-93-3	2-00-62
Sampe sag	Meth/	Matrix		SMV1/W								VMS1/W																																			
	Lab	Lab Anly. No.		RL 52614-01																															,										٠		
	Sample	Date		14-NOV-96																																											
		Depth		0.0																																											
	Field	Sample No.		7.475																																											

* - Analyte Description has been truncated. See Data Dictionary

EPA Data Quals

Data Quals

Unit flag Meas Codes

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Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW 28-JAN-97

Analyte Description

79-01-6 79-34-5

WAS1/W

Lab Anly. No. RL 52614-01

0.0 14-NOV-96

CAS No.

Meth/ Matrix

Lab

Sample Date

Depth

Field Sample No.

Site ID

Site Type

11 111 Trichloroethylene /Trichloroethene /
Ethinyl trichloride /T*
Tetrachloroethane / 1,1,2,2Tetrachloroethane / Acetylene *
Xylenes, total combined
trans-1,3-Dichloropropene

Records Found ** ** End of Report - 122

* - Analyte Description has been truncated. See Data Dictionary

IRDMIS FLAGGING CODES AND DATA QUALIFIERS

ELEMENT IS USED IN THE FOLLOWING IR RECORDS AND DATA BASE TABLES:

IRDMIS Record Type	Record Column(s)	IRDMIS DB Table(s)	Data Base DB Column
•	132	chem/cqc	flag_codes
	133		-
	134		•
	135		•
•	136		
	137		
	138		
	139		
		flag_quais_desc	f_q_code

Any valid chemical or radiological record type

ELEMENT SIZE AND CHARACTERISTICS:

IRDMIS Record:

1 upper-case alphabetical character, full field (as many as 8 per record)

IRDMIS Data Base:

chem/cqc:

as many as 8 Flagging Codes per record

flag_quals_desc:

1 Flagging Code per record

ELEMENT DESCRIPTION:

Code assigned by the Laboratory to indicate other-than-usual analytical conditions or results.

ACCEPTABLE CRITERIA:

NOTE:

Flagging Codes marked with * were changed effective 1 February 1993!
Flagging Codes marked with ** were changed effective with the introduction of Version 5.2 of the IRDMIS Data Entry and Validation Subsystem (PC IRDMIS) software!

- A Analyte found in trip blank as well as in field samples. The analyte was detected in the field sample and the trip blank for the same cooler. To be used for volatiles only.
- Analyte found in the method blank or QC blank as well as the sample. This Code is to be used when an analyte was detected and quantitated at higher-than-normal background levels. For metals in soil, the following rules must be followed:
 - (1) If the analyte is detected in the method blank, both the field and QC samples are to be flagged.
 - (2) If the analyte is detected in the QC blank, only the QC samples are to be flagged.
- Analysis was confirmed. This Code is to be used when a confirmation analysis bears out the reported result (if it is above the CRL or MDL). The confirmation analysis must use a different column or analytical technique.
- D Duplicate analysis. This Code is used to distinguish analytical results when duplicate analyses are required. Flag only the second (duplicate) sample.

ACCEPTABLE CRITERIA: (CONT.)

- E No longer in use.
- Sample filtered prior to analysis. This Code is to be used when results of filtered samples are to be differentiated from non-filtered samples. This Code is also to be used when filtering of samples (as a first step in the sample preparation) is a deviation from the approved method SOP. This Code may be used to indicate both field and laboratory filtering. It is not to be used when filtering the extract is the normal procedure.
- * G Analyte found in rinse blank as well as field sample. The analyte was detected in the field sample as well as that day's rinse blank for the same equipment type.
- ** H No longer in use after introduction of Version 5.2 of PC IRDMIS.
- * I Interferences in sample cause the quantitation and/or identification to be suspect. This Code is to be used when matrix interferences may mask detection of the target analyte. Must always be used with Flagging Code J.
- * ** J Value is estimated because of one of the following conditions:

Interferences in the sample (use Flagging Codes J and I)

Or

The value is below the method detection level but above the instrumental detection level (use Flagging Codes J and P)

01

The value is above the upper reporting level of the method (use Flagging Codes J and X).

This Code must always be used with Flagging Code I, P, or X. Both the J and I and the J and X combinations may be used both for methods demonstrated under the 1990 QA Program and for methods validated under the 1993 QA Guidelines. The J and P combination is only to be used for methods validated under the 1993 QA Guidelines.

- Reported results affected by interferences or high background. This Code is to be used when analyte levels at or near the CRL or MDL cannot be accurately quantified down to the CRL/MDL due to interferences. This Code will allow a laboratory to input a higher CRL/MDL, rather than defaulting to the Methods data base. (Formerly Flagging Code G)
- * ** L No longer in use after introduction of Version 5.2 of PC IRDMIS.
- ** M No longer in use after introduction of Version 5.2 of PC IRDMIS.
- * N Tentatively identified compound (result of a GC/MS library search) with a match greater than 70%. To be used when specified in the contract/task order.

ACCEPTABLE CRITERIA: (CONT.)

- * O No longer in use.
- Yalue is less than the method reporting level but greater than the instrumental detection limit. This Code must always be used with J. This Code is only to be used for methods validated under the 1993 QA Guidelines.
- * Q Confirmatory analysis was performed; however, sample interference obscured the area where the peak of interest would have appeared. To be used when the peak of interest fell within the retention-time window on the primary column, but the retention-time window on the secondary column was masked by interferences.
 - R Non-target compound analyzed for but not detected (must be used with a Boolean of ND). This Code is used only for those analytes (in GC/MS methods) which were not performance demonstrated or validated. To be used when specified in the contract/task order.
 - Non-target compound analyzed for and detected. This Code is used only for those analytes (in GC/MS methods) which were not performance demonstrated or validated. Also used to report tentatively identified compounds which are quantitated against an internal standard. To be used when specified in the contract/task order.
 - Non-target compound analyzed for but not detected (must be used with a Boolean of ND). This Code is used only for those analytes (in non-GC/MS methods) which were not performance demonstrated or validated.
 - U Analysis is unconfirmed. This Code is to be used when a confirmatory analysis was performed but does not verify the analytical results from the initial analysis.
 - V Sample was subjected to unusual storage/preservation condition. To be used when samples are received at the laboratory at greater than 4° C, or were not correctly preserved in the field.
 - W Single analyte required from a multi-analyte method. This Code is to be used when field samples are to be analyzed for a subset of the demonstrated/validated analytes.
- ** X Analyte concentration is above the upper reporting level. This Flagging Code is to be used when analyte concentrations exceed the upper reporting level and the laboratory feels that additional dilutions are not warranted. This Code is also to be used when no sample or extract remains to make additional dilutions. It must also be used whenever a Boolean of GT is used.
- Y Tentatively identified compound (result of a GC/MS library search) with a match of less than 70%, but peak area is greater than 35% of the internal standard. To be used when specified in the contract/task order.

ACCEPTABLE CRITERIA: (CONT.)

- Non-target compound analyzed for and detected. This Code is used only for those Z analytes (in non-GC/MS methods) which were not performance demonstrated or
- Result less than the CRL but greater than the Criteria of Detection (COD). Can only 1 be used for methods which were performance demonstrated under the 1990 QA Program.
- Ending calibration not within acceptable limits. This Code is to be used for an analyte 2 for which the ending calibration is still unacceptable after multiple attempts.
- Internal standard(s) not within acceptable limits.
- Analyte quantitated on the secondary column, when this is not the normal practice.
- No longer in use after introduction of Version 5.2 of PC IRDMIS.
- Analyte recovery outside of certified range but within acceptable limits. This Flagging 8 Code is to be used when analyte recoveries exceed the upper limit of the certified range by less than 15% and the laboratory feels a dilution is not warranted. No longer in use after introduction of Version 5.2 of PC IRDMIS (formerly Flagging Code X).
- Non-demonstrated/validated method performed for USAEC. This Code is to be used to 9 identify Method 00 or NTAM data which was produced under contract to USAEC.

ACCEPTABLE ENTRIES:

- Analyte found in trip blank as well as in field samples. A
- Analyte found in the method blank or QC blank as well as the sample. В
- C Analysis was confirmed.
- D Duplicate analysis.
- Sample filtered prior to analysis. F
- Analyte found in rinse blank as well as field sample. G
- Interferences in sample make quantitation and/or identification to be suspect.
- J Value is estimated
- Reported results are affected by interferences or high background. K
- Tentatively identified compound (match greater than 70%). N
- Results less than reporting level but greater than instrumental detection limit. P 0
- Sample interference obscured peak of interest.
- Non-target compound analyzed for but not detected (GC/MS methods). R S
- Non-target compound analyzed for and detected (GC/MS methods). T
- Non-target compound analyzed for but not detected (non-GC/MS methods). U
- Analysis is unconfirmed.
- V Sample subjected to unusual storage/preservation conditions.

8.08

Flagging Code

ACCEPTABLE ENTRIES: (CONT.)

- Single analyte required from a multi-analyte method.
- Analyte concentration is above the upper reporting level. X
- Y
- Tentatively identified compound (match less than 70%).

 Non-target compound analyzed for and detected (non-GC/MS methods). Z
- Result less than CRL but greater than COD. 1
- Ending calibration not within acceptable limits. 2
- Internal standard(s) not within acceptable limits. 3
- Analyte quantitated on the secondary column.
- Non-demonstrated/validated method performed for USAEC.

8.30

ELEMENT IS USED IN THE FOLLOWING IR RECORDS AND DATA BASE TABLES:

Record Type	IRDMIS Record Column(s)	IRDMIS D	
	Contarts)	DB Table(s)	DB Column
•	140	chem/cgc	deta_quais
	141	•	
	142		•
	143		
	144		
	145		
	146		
	147		
		fleg_quale_desc	f_q_code

Any valid chemical or radiological record type

ELEMENT SIZE AND CHARACTERISTICS:

IRDMIS Record:

1 upper-case alphabetical character, full field (as many as 8 per record)

IRDMIS Data Base: 0

chem/cqc: as many as 8 Data Qualifiers per record

flag quais desc:

1 Data Qualifier per record

ELEMENT DESCRIPTION:

Code assigned only by the USAEC Chemist to indicate data acceptance or rejection based on other-than-usual analytical conditions or results.

ACCEPTABLE CRITERIA:

- ? Control chart either not received or not yet approved by USAEC. This Qualifier is automatically set when a lot file has been loaded but the corresponding control chart has not been approved.
- I The low-spike recovery is high. To be used for the single low spike in Class 1 methods and the duplicate low spikes in Class 1P.
- The low-spike recovery is low. To be used for the single low spike in Class 1 methods and the duplicate low spikes in Class 1P.
- K Missed holding times for extraction and preparation (Hold Time 1). This Qualifier is automatically set when the extraction/preparation holding time is exceeded. (Formerly Flagging Code K)
- L Missed holding time for sample analysis (Hold Time or Hold Time 2). This Qualifier is automatically set when the analytical holding time is exceeded. (Formerly Flagging Code L)
- M The high-spike recovery is high. To be used for the duplicate high spikes in Class 1 and 1P methods. Also to be used for the single spike in Class 1A and 1B methods and for the duplicate spikes in Class 1M methods.

ACCEPTABLE CRITERIA: (CONT.)

- N The high-spike recovery is low. To be used for the duplicate high spikes in Class 1 and 1P methods. Also to be used for the single spike in Class 1A and 1B methods and for the duplicate spikes in Class 1M methods.
- O Low spike recoveries excessively different. To be used only for the duplicate low spikes in Class 1P methods.
- P High spike recoveries excessively different. To be used for the duplicate high spikes in Class 1 and 1P methods. Also to be used for the duplicate spikes in Class 1M methods.
- Q Surrogate(s) in field sample outside of acceptable limits as specified by EPA CLP. To be followed by number of surrogates failing criteria (1 9). To be used only for field samples. (Formerly Flagging Code Q)
- R Data is rejected and is not usable.

ACCEPTABLE ENTRIES:

- ? Control chart not yet approved by USAEC.
- 1-9 Number of surrogates failing EPA CLP criteria (used with Data Qualifier Q)
- I The low-spike recovery is high.
- J The low-spike recovery is low.
- K Missed holding time for extraction and preparation.
- L Missed holding time for sample analysis.
- M The high-spike recovery is high.
- N The high-spike recovery is low.
- O Low spike recoveries excessively different.
- P High spike recoveries excessively different.
- Q Surrogate recovery outside of acceptable CLP limits (field samples only).
- R Data is rejected.

QC SAMPLE RESULTS FROM IRDMIS

ABB Environmental Services, Inc.

W001976APP

Table: Appendix K

METHOD BLANKS (SOIL)

Contractor Method Description	IRDMIS Method Code	Test Name		Prep Date	Analysis Date	v	Value Unit	hit
ABB-ES	DRO	DRO	DRAB	25-NOV-96	09-DEC-96		4	 NGG
ABB-ES	GPB1	ЬВ	PSDQ	16-DEC-96 17-DEC-96	17-DEC-96		1.12 UGG	99(
ABB-ES	GRO	GRO	GRAB	22-NOV-96 22-NOV-96		v	2.	ngg
ABB-ES	GSE1	SE	SSDO	16-DEC-96 17-DEC-96		v	-	Dec
ABB-ES	GTL1	11	TSDQ	rsDa 16-DEC-96 17-DEC-96		~	7	990
ABB-ES	HGC1	HG	HSDH	HSDH 11-DEC-96 11-DEC-96		v	 -	nec
ABB-ES ABB-ES ABB-ES ABB-ES	ICM1	AS CD SB	WSCK WSCK WSCK WSCK	13-DEC-96 13-DEC-96 13-DEC-96	19-DEC-96 19-DEC-96 19-DEC-96 19-DEC-96	* * * *	-444	990 090 090
ABB-ES	1001	TTCCCCCCGBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	180V 180V 180V 180V 180V 180V 180V 180V	23-0EC-96 23-0EC-96	26-DEC-98 28-DEC-98	·	628 (613 (480 (480 (490 (490 (190 (190 (190 (190 (190 (190 (190 (1	

METHOD BLANKS (SOIL)

Code	Test	Fot .	Prep Date	Analysis Date	•	Value	Fi
ICP1	æ	ISC	23-DEC-96	28-DEC-98		1030	8
	띺	<u>S</u>		28-DEC-98	_	758	9
	*	<u></u> 23		26-DEC-96	¥	1000	9
	¥	SC SC		26-DEC-96	v	1000	990
	¥	<u>S</u>		28-DEC-98	v	1000	99
	~	ISC		26-DEC-96	¥	9	9
	<u>9</u>	ISC		26-DEC-98	v	000	9
	S.	ISC		26-DEC-98	v	000	9
	5	SS	23-DEC-96	26-DEC-96	v	000	9
	웃	180		28-DEC-98	v	500	8
	₹	<u>S</u> S		28-DEC-98	_	34.5	990
	₹	SC		26-DEC-96		25.7	990
	₹	ISC S		26-DEC-96		7	8
	₹	S S S		28-DEC-98		22.2	3
	≨	SC	23-DEC-96	28-DEC-98	v	500	8
	¥	SC<	23-060-98	28-DEC-98	~	1000	990
	≨	SC	23-DEC-96	26-DEC-96	٧	90	9
	¥	<u>S</u>	23-060-8	28-DEC-98	٧	000	9
	¥	<u>S</u>	23-DEC-96	28-DEC-98	٧	•	9
	>	<u>S</u>	23-DEC-96	26-DEC-96	Y	10	9
	7 2	ISCV	23-DEC-96	26-DEC-96	v	4	19
CANS	12001	o do	25-W0V-04	14.050.04	,		Š
!	120CLB	BSBS	X 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5			i k	3 5
	130CLB	BSBS	2 5 5 5			jr	3 2
	130CLB	BSBS	25-52		· •	į	3 5
	245TCP	BSBS	X-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5			? «	3 2
	245TCP	BSBS	X-15-X	16-08-98		«	3 5
	246109	BSBS	%- 2 5-8	16-DFC-96		2 5	3 5
	246TCP	BSBS	25-104-55	16-DFC-96		į	3
	240CLP	BSBS	25-1604-98	16-DEC-98		2 12	3 5
	24DCLP	BSBS	25-150-8	16-DEC-96		Ħ	12
	24DMPN	BSBS	25-52-8		v	Ħ	3
	24DMPN	BSBS	25-1504-58		v	R	3
	41.0						

METHOD BLANKS (SOIL)

Contractor Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	v	Value U	S it
			:					: :
ABB-ES	SMV2	24DNP	BSBS	25-NOV-96	16-DEC-96	~	_	990
ABB-ES		26DNT	BSBS	25-NOV-96	16-DEC-96	~	.33	55
ABB-ES		26DNT	BSBS	25-NOV-96	16-DEC-96	~	_	990
ABB-ES		SCNAP	BSBS	25-NOV-96	16-DEC-96	~	_	25
ABB-ES		2CNAP	BSBS	25-NOV-96	16-DEC-96	v	_	990
ABB-ES		ZMNAP	BSBS	25-NOV-96	16-DEC-96	•	_	250
ABB-ES		2MNAP	BSBS	25-NOV-96	16-DEC-96	~	_	neg
ABB-ES		2MP	BSBS	25-NOV-96	16-DEC-96	~	_	99
ABB-ES		Z¥D	BSBS	25-NOV-96	16-DEC-96	~	_	990
ABB-ES		SNAN1L	BSBS	25-NOV-96	•-	~	_	ngg
ABB-ES		2NANIL	BSBS	25-NOV-96	•	~	∞.	55
ABB-ES		ZNP	BSBS	25-NOV-96	•	~	_	000
ABB-ES		ZNP	BSBS	25-NOV-96	•	~	_	990
ABB-ES		33DCBD	BSBS	25-NOV-96	16-DEC-96	~		990
ABB-ES		330CBD	BSBS	25-NOV-96	16-DEC-96	~	∞.	990
ABB-ES		SNANIL	BSBS	25-NOV-96	16-DEC-96	~	∞.	990
ABB-ES		3NAN1L	BSBS	25-NOV-96	16-DEC-96	~	∞ .	ဗ္ဗ
ABB-ES		46DN2C	BSBS	25-NOV-96	16-DEC-96	~	~	99
ABB-ES		46DN2C	BSBS	25-NOV-96	16-DEC-96	~	<u>-</u>	ອ
ABB-ES		4BRPPE	BSBS	25-NOV-96	16-DEC-96	~		1000
ABB-ES		4BRPPE	BSBS	25-NOV-96	16-DEC-96	~		56
ABB-ES		4CAN1L	BSBS	25-NOV-96	16-DEC-96	~	.33	99
ABB-ES		4CANIL	BSBS	25-NOV-96	16-DEC-96	~		ဗ္ဗ
ABB-ES		4CLPPE	BSBS	25-NOV-96	16-DEC-96	~	-	95
ABB-ES		4CLPPE	BSBS	25-NOV-96	16-DEC-96	~	-	95
ABB-ES		4MP	BSBS	25-NOV-96	16-DEC-96	~	_	ធ្ល
ABB-ES		4MP	BSBS	25-NOV-96	16-DEC-96	~	_	ä
ABB-ES		4NANIL	BSBS	25-NOV-96	16-DEC-96	~	_	5
ABB-ES		4NAN1L	BSBS	25-NOV-96	16-DEC-96	~	_	ອ
ABB-ES		ANAPYL	BSBS	25-NOV-96	16-DEC-96	~	_	'n
ABB-ES		ANAPYL	BSBS	25-NOV-96	16-DEC-96	~	.33 U	S
ABB-ES		ANTRC	BSBS	25-NOV-96	16-DEC-96	~	_	250
ABB-ES		ANTRC	BSBS	25-NOV-96	16-DEC-96	~	_	990
ABB-ES		B2CEXM	BSBS		16-DEC-96	~	_	55
ABB-ES		B2CEXM	BSBS	25-NOV-96	16-DEC-96	v	_	266

METHOD BLANKS (SOIL)

Contractor Method Description	Method	Test Name	Lot	Prep Date	Analysis Date	•	Value	ž
ABB-ES	SANS	BZCIPE	BSBS	BS 25-NOV-96	16-DEC-96			990
ABB-ES		B2CIPE	BSBS	25-NOV-96	3 16-DEC-96	¥		3
A88 -ES		B2CLEE	BSBS	25-NOV-52	•	¥		99
ABB -ES		BZCLEE	BSBS	25-NOV-96	•	¥		99
ABB -ES		BZEHP	BSBS	25-164-96	•	¥		990
A88-E S		BZEHP	BSBS	25-NOV-96	•	•	ĸ	3
ABB-ES		BAANTR	BSBS	25-101-52	-	•		990
A88-ES		BAMTR	BSBS	25-101-98	•	•		9
ABB-ES		BAPYR	BSBS	25-NOV-96	•	•		3
A88-ES		BAPYR	BSBS	25-NON-52	•	•		9
ABB-ES		BBFANT	BSBS	25-NOV-96		•		9
ABB -ES		BBFANT	BSBS	25-104-56	•	•		990
ABB -ES		68.ZP	BSBS	25-150-58	•	•		99
ABB -ES		88 ZP	BSBS	25-1504-96	16-DEC-96	•		3
ABB-ES		BGHIPY	BSBS	25-101-95		•		990
A88-ES		BGHIPY	BSBS	25-NON-96	•	•		990
ABB-ES		BKFANT	BSBS	25-1604-98	16-DEC-96	~	ī	990
AB8-ES		BKFANT	BSBS	25-104-56	16-DEC-96	~		99
A88- ES		CARBAZ	BSBS	25-150-98	16-DEC-96	~		99
ABB -ES		CARBAZ	BSBS	25-NOV-55	16-DEC-96	•	ĸ	3
ABB-ES		CHRY	8888	25-150-96	16-DEC-96	v		990
ABB-ES		CHRY	8888	25-NON-25		•		30
ABB-ES		CL 68 2	BSBS	25-101-26	16-DEC-96	~		9
ABB-ES		CL682	BSBS	25-150-58	16-DEC-96	~		99
ABB-ES		درو و	BSBS	25-1504-56	16-DEC-96	~		990
ABB-ES		ර ්	BSBS	25-152-58	16-DEC-96	~		990
ABB -ES		CL6ET	BSBS	25-104-96		~		990
AB 8-ES		CLEET	BSBS	25-104-56		•		990
ABB -ES		DBAHA	BSBS	25-104-55	•	•		990
ABB-E S		DBAHA	BSBS	25-104-55	•	~		99
ABB-E S		DBZFUR	8 S 8 S	25-1604-96		•		99
ABB-ES		DBZFUR	BSBS	25-104-56		~		990
ABB-E S		DEP	BSBS	25-104-8		~		990
ABB-ES		DEP	BSBS	25-NOV-96	16-DEC-96	•	ĸ	99
188-E S		2	BCBC	25-MOV-04	14-DEC-04	,		5

Table: Appendix K

METHOD BLANKS (SOIL)

IRDMIS Method Test Code Name Lot Dat SMV2 DNBP BSBS 25- DNBP BSBS 25- DNOP BSBS 25- BRS 25- FANT FANT BSBS 25- FANT BSBS 25- FANT BSBS 25- HCBD BSBS 25- UNK539 BSBS 25- UNK544 BSBS 25- UNK614 BSBS 25- UNK614 BSBS 25- UNK615 BSBS 25- UNK614 BSBS 25- UNK615 BSBS 25- BSBS 25- UNK615 BSBS 25- UNK615 BSBS 25- BSBS 25- UNK615 BSBS 25- BSBS 25- UNK615 BSBS 25- BSBS	Value Unit		.33 UGG	_	.33 066		.5. UGG	_	_		.33 UGG	_		.5 UGG					.33 066							2 066	2 066	.1 066	.1 066	.1 066	.09 UGG	.4 UGG	.4 UGG	2 066	
IRDMIS I	is v	:	× %-	> 96-	× %	× %-	× %-	× 96-	> %-	> 96-	> 96-	> 96-	× 96-	× %-	× 96-	× %-	× %	× %-	× 96-	> %	× 96-	× 96-	× %-	× 96-	× %	-96	9	%	%	-96	-96	%	%	96-	
IRDMIS I	Analys Date	-	16-DEC	16-DEC	16-DEC	16-DEC	16-DEC	16-DEC	16-DEC	16-DEC	16-DEC	16-DEC	16-DEC	16-DEC	16-DEC	16-DEC	16-DEC	16-DEC	16-DEC	16-DEC	16-DEC	16-DEC	16-DEC	16-DEC	16-DEC	16-DEC	16-DEC	16-DEC	16-DEC	16-DEC	16-DEC	16-DEC	16-DEC	16-DEC	
IRDMIS Method Test Code Name SMV2 DNBP DNBP DNDP DNDP DNOP DNOP DNOP DNOP DNOP DNOP DNOP DNOP TERNE FANT FAN			•		-	25-NOV-96	25-NOV-96	25-NOV-96	25-NOV-96	25-NOV-96			25-NOV-96	25-NOV-96	25-NOV-96	25-NOV-96	25-NOV-96						25-NOV-96	25-NOV-96	25-NOV-96	25-NOV-96	Ŕ	25-NOV-55	25-NOV-96	25-NOV-96	25-NOV-96	25-NOV-96	25-NOV-96	25-NOV-96	
Method Code SMV2	Lot	:	BSBS	BSBS	BSBS	BSBS	BSBS	BSBS	8SBS	BSBS	BSBS	BSBS	BSBS	BSBS	BSBS	BSBS	BSBS	BSBS	BSBS	BSBS	BSBS	BSBS	BSBS	BSBS	BSBS	BSBS	BSBS	BSBS	BSBS	BSBS	BSBS	BSBS	BSBS	BSBS	
			OMO	DNBP	DNBP	DNO	doNo	FANT	FANT	FLRENE	FLRENE	1080 1080 1080	8	ICDPYR	ICDPYR	ISOPHR	ISOPHR	NAP	NAP	9	9	NNDPA	NNDPA	PHANTR	PHANTR	UNK239	UNK539	ONK606	UNK606	UNK614	UNK614	UNK615	UNK615	UNK623	
or Method Description	IRDMIS Method Code	1	SMV2																																
	contractor Method Description																																		

Table: Appendix K METHOD BLANKS (SOIL)

SAV2 UNKG30 BSBS 25-NOV-96 16-DEC-96 UNKG37 BSBS 25-NOV-96 16-DEC-96 UNKG37 BSBS 25-NOV-96 16-DEC-96 UNKG37 BSBS 25-NOV-96 16-DEC-96 UNKG37 BSBS 25-NOV-96 16-DEC-96 GPB PB PADF 10-DEC-96	Contractor Method Description	IRDMIS Method Code	Test	Lot	Prep Date	Analysis Date	; <u>.</u>	Value Unit	Sit
UNKG322 BSBS 25-NOV-96 16-DEC-96 UNKG37 BSBS 25-NOV-96 16-DEC-96 UNKG37 BSBS 25-NOV-96 16-DEC-96 UNKG37 BSBS 25-NOV-96 16-DEC-96 UNKG37 BSBS 25-NOV-96 16-DEC-96 GPB1 PB PADF 10-DEC-96 10-DEC-96 (GRO GRAC 21-NOV-96 21-NOV-96 < GRO GRAC 21-NOV-96 21-NOV-96 < GRO GRAC 21-NOV-96 21-NOV-96 < GRO GRAC 21-NOV-96 21-NOV-96 (GRU 17-DEC-96 11-DEC-96 (GRU 17-DEC-96 (ABB-ES ABB-ES	SMV2	UNK630	BSBS	25-NOV-96	16-DEC	8 8	1.0	990
UNK637 BSBS 25-NOV-96 16-DEC-96 DRO DRAC 25-NOV-96 26-NOV-96 < GPB1 PB PADF 10-DEC-96 11-DEC-96 < GRO GRAD 09-DEC-96 11-DEC-96 < GRO GRAD 06-DEC-96 11-DEC-96 < GRO GRAD 11-DEC-96 11-DEC-96 < GRO GRAD 06-DEC-96 11-DEC-96 < GRO GRAD 06-DEC-96 11-DEC-96 < GRO GRAD 11-DEC-96 11-DEC-96 < GRO GRAD 06-DEC-96 11-DEC-96 < GRO GRAD 11-DEC-96 11-DEC-96 11-DEC-96 < GRO GRAD 11-DEC-96 11-DEC-96 11-DEC-96 11-DEC-96 GRO GRAD 11-DEC-96 11-DEC-96 11-DEC-96 GRO GRAD 11-DEC-96	A8B-ES		UNK632	858S	25-104-98	16-DEC	8	20.	
UNK637 BSBS 25-NOV-96 16-DEC-96 DRO DRAD G9-DEC-96 11-DEC-96 GPB1 PB PADG 11-DEC-96 11-DEC-96 GRO GRAC 21-NOV-96 21-DEC-96 GRO GRAD G-DEC-96 11-DEC-96 HGC1 HG HACA G9-DEC-96 11-DEC-96 HGC1 HG HACA G9-DEC-96 11-DEC-96 GRO HABI 11-DEC-96 17-DEC-96 GRO HABI 11-DEC-96 17-DEC-96 SR HABI	A88-E S		UNK637	BSBS	25-NOV-96	16-DEC	8	٥.	
CARD DRAD DDEC-96 10-DEC-96 10-DEC-96 11-DEC-96 11-DEC	ABB-E S		UNIK637	BSBS		16-DEC	8	.7	99
GP81 P8 PADF 10-DEC-96 11-DEC-96 GR0 GR0 GRAC 21-NOV-96 21-NOV-96 GR0 GRAD 06-DEC-96 06-DEC-96 GR0 GRAD 11-DEC-96 12-DEC-96 GRD GRAD 06-DEC-96 06-DEC-96 GRD 06-DEC-96 06-DEC-96 GRD 11-DEC-96 11-DE	ABB-ES	DRO	DRO	DRAC				100 UG	ತ
GRO GRAC 21-MOV-96 11-DEC-96 12-DEC-96 GRO 11-DEC-96 12-DEC-96 12-DEC-	ABB-ES		0,0	DRAD				5	ğ
GRO GRAC 21-NOV-96 21-NOV-96 GRAC 21-NOV-96 GRAC 21-NOV-96 GRAD GRAD GRAD GRAD GRAD GRAD GRAD GRAD	ABB-ES	GP81	2	PADF				M	<u> </u>
GNO GRO GRAC 21-NOV-96 21-NOV-96 51-NOV-96 GNO GRAD 06-DEC-96 06-DEC-96 06-DEC-96 06-DEC-96 06-DEC-96 06-DEC-96 06-DEC-96 11-DEC-96 11-D	ABB-ES		æ	PADG				m	널
GN GRAD 06-DEC-96 06-DEC-96 GSE1 SE SADF 10-DEC-96 11-DEC-96 GTL1 TL TADF 10-DEC-96 11-DEC-96 TL TADF 10-DEC-96 11-DEC-96 HGC1 HG HACA 09-DEC-96 11-DEC-96 HGC1 HG HACA 09-DEC-96 10-DEC-96 HGC1 HG HACA 09-DEC-96 10-DEC-96 HG HACA 09-DEC-96 10-DEC-96 HG HACA 09-DEC-96 17-DEC-96 MABL 10-DEC-96 17-DEC-96 CD WABH 11-DEC-96 17-DEC-96 CD WABH 11-DEC-96 17-DEC-96 SB WABH 11-DEC-96 17-DE	ABB-ES	GRO GRO	25	GRAC					3
GTL1 TL TADF 10-DEC-96 11-DEC-96 12-DEC-96 12-	ABB -ES		GRO	GRAD				5	널
SE SADG 11-DEC-96 12-DEC-96 11-DEC-96 12-DEC-96 11-DEC-96 11-DEC-9	ABB-ES	GSE1	S.	SADE	-				190
The control of the	ABB-ES		꾨	SADG	11-DEC-96				널
11. TADG 11-DEC-96 12-DEC-96 HGC1 HG HACQ 09-DEC-96 10-DEC-96 HGC1 AS WABL 10-DEC-96 10-DEC-96 AS WABL 10-DEC-96 17-DEC-96 BE WABH 11-DEC-96 17-DEC-96 CD WABH 11-DEC-96 17-DEC-96 CD WABH 11-DEC-96 17-DEC-96 SB WABL 10-DEC-96 17-DEC-96 SB WABL 10-DEC-96 17-DEC-96 SB WABH 11-DEC-96 12-DEC-96	ABB-ES	GTL1	1	140F	10-DEC-96	11-DEC	× %		널
HGC1 HG	ABB-ES		=	TADG	11-DEC-96	12-DEC	× 8 -8	9	
ICM1 AS WABL 10-DEC-96 10-DEC-96 1	ABB-ES	HGC1	9	HACO		10-DEC			2
ICM1 AS IMABL 10-DEC-96 17-DEC-96 BE IMABL 10-DEC-96 17-DEC-96 BE IMABL 10-DEC-96 17-DEC-96 BE IMABL 10-DEC-96 17-DEC-96 CD IMABL 10-DEC-96 17-DEC-96 CD IMABL 10-DEC-96 17-DEC-96 SB IMABL 10-DEC-96 17-DEC-96 SB IMABL 10-DEC-96 17-DEC-96 SP ICP2 AG IADK 10-DEC-96 17-DEC-96 AG IADK 10-DEC-96 12-DEC-96 AG IADK 11-DEC-96 12-DEC-96	ABB-ES		皇	HACR		10-DEC			널
AS WABN 11-DEC-96 17-DEC-96 17-DEC-9	ABB-ES	5	YS	MABI	10-DEC-96	17-DEC		1 0	3
BE WABL 10-DEC-96 17-DEC-96 17-DEC-9	A88-E S		AS	3	11-DEC-98	17-DEC		'n	ğ
BE WABN 11-DEC-96 17-DEC-96 17-DEC-9	ABB-ES		뀖	HABL	10-DEC-96	17-DEC		-	걸
CD WABL 10-DEC-96 17-DEC-96 CD WABM 11-DEC-96 17-DEC-96 SB WABL 10-DEC-96 17-DEC-96 SB WABM 11-DEC-96 17-DEC-96 ICP2 AG IADK 10-DEC-96 12-DEC-96 AG IADL 11-DEC-96 12-DEC-96	ABB-ES		8	F	11-DEC-96	17-DEC		-	펄
CD WABM 11-DEC-96 17-DEC-96 SB WABL 10-DEC-96 17-DEC-96 SB WABM 11-DEC-96 17-DEC-96 17-DEC-96 12-DEC-96 12	A88-ES		8	₩	10-DEC-96	17-DEC	* *	-	펄
SB WABL 10-DEC-96 17-DEC-96 17-DEC-96 17-DEC-96 17-DEC-96 12-DEC-96 12-DEC-9	ABB-ES		8	3	11-060-8	17-DEC	×;	•	덬
1CP2 AG 1ADK 10-DEC-96 12-DEC-96 12-DEC-96 12-DEC-96	788 -ES		7		10-06-5	17-DEC	, , , ,	_ •	ತ <u>ಕ</u>
1CP2 AG 1ADK 10-DEC-96 12-DEC-96 12-			}					-	į
AG IADL 11-DEC-96 12-DEC-96	AB 8-ES	1CP2	ΑG	IADK	10-DEC-96	12-DEC			ತ
	ABB -ES		ΡĠ	٩	11-DEC-96	12-DEC		2	펄

Table: Appendix K METHOD BLANKS (WATER)

Contractor Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	•	Value Unit	L.
ABB-ES	ICP2	¥	: ¥	10-DEC-96	12-DEC-96		200 UGL	
ABB-ES		Ą	Z S	11-DEC-96	•	v	_	
ABB-ES		ВА	₹ ¥	10-DEC-96	12-DEC-96	v	200 UGL	
ABB-ES		BA	IADL	11-DEC-96	12-DEC-96	v	_	
ABB-ES		ď	IA A	10-DEC-96	12-DEC-96	v	_	
ABB-ES		Š	IADL	11-DEC-96	12-DEC-96	v	_	
ABB-ES		8	IAK	10-DEC-96	12-DEC-96	v		
ABB-ES		8	IAD I	11-DEC-96	12-DEC-96	v	_	
ABB-ES		క	IAD	10-DEC-96	12-DEC-96	v	_	
ABB-ES		క	ΙØΓ	11-DEC-96	12-DEC-96	v	10 UGL	
ABB-ES		3	ΙĄ	10-DEC-96	12-DEC-96	v	_	
ABB-ES		3	IADL	11-DEC-96	12-DEC-96	v	_	
ABB-ES		쁘	IADK	10-DEC-96	12-DEC-96	v		
ABB-ES		뿐	Ā	11-DEC-96	12-DEC-96	~		
ABB-ES		¥	IADK	10-DEC-96	12-DEC-96	v		
ABB-ES		¥	ΙĀ	11-DEC-96	12-DEC-96	~		
AB8-ES		Œ	IAK	10-DEC-96	12-DEC-96	v		
ABB-ES		MG	IADL	11-DEC-96	12-DEC-96	v	5000 UGL	
ABB-ES		¥	IABK	10-DEC-96	12-DEC-96	~		
ABB-ES		¥	IADL	11-DEC-96	12-DEC-96	v	15 UGL	
ABB-ES		AN	ξĶ	10-DEC-96	12-DEC-96	v		
ABB-ES		¥	ĭ¥.	11-DEC-96	12-DEC-96	v	5000 UGL	
ABB-ES		¥	IADK	10-DEC-96	12-DEC-96	v		
ABB-ES		Z	ΪØ	11-DEC-96	12-DEC-96	v		
ABB-ES		>	žŠ.	10-DEC-96	12-DEC-96	~	_	
ABB-ES		>	₹ Z	11-DEC-96	12-DEC-96	v	50 UGL	
ABB-ES		Z	Z S S	10-DEC-96	12-DEC-96	v	_	
ABB-ES		Z	IADL	11-DEC-96	12-DEC-96	v	20 UGL	
90 A	7,410	2000		200	70.70			
ABB-FS	- ALIC	120CLB	4 u 4 u	21-1004-96	27-NOV-96	v		
A88-ES		120CL	RAFR	10-PEC-96	18-DEC-06	, v	-	
ABB-ES		120CLB	BAEB	09-DEC-96	18-DEC-96	, v		
ABB-ES		13DCLB	BAEA	21-NOV-96	27-NOV-96	v	10 URL	
ABB-ES		13DCLB	BAEA	21-NOV-96	27-NOV-96	v	_	

METHOD BLANKS (MATER)

34V1 130CL8 BAEB 09-DEC-96 18-DEC-96 10 UGL 245TCP BAEA 21-NOV-96 27-NOV-96 25 UGL 245TCP BAEA 21-NOV-96 27-NOV-96 10 UGL 245TCP BAEB 09-DEC-96 18-DEC-96 10 UGL 245TCP BAEA 21-NOV-96 27-NOV-96 10 UGL 245TCP BAEA 21-NOV-96 27-NOV-96 10 UGL 245TCP BAEA 21-NOV-96 27-NOV-96 10 UGL 245TCP BAEA 11-NOV-96 27-NOV-96 10 UGL 245TCP BAEA 21-NOV-96 27-NOV-96 10 UGL 245TCP BAEA 11-NOV-96 27-NOV-96 10 UGL 245TCP BAEA 21-NOV-96 27-NOV-96 10 UGL 245TCP BAEA 09-DEC-96 10-DEC-96 10-DEC-96 10-DEC-96 10-DEC-96 10-DEC-96 10-DEC-96 10-DEC-96	Contractor Method Description	Method	Test	Lot	Prep Date	Analysis Date	.s	Value L	S it
130CLB MARA 21-NOV-96 27-NOV-96 < 265TCP BARA 21-NOV-96 27-NOV-96 < 100 246TCP BARA 21-NOV-96 27-NOV-96 27-NOV-96 27-NOV-96 27-NOV-96 27-NOV-96 27-NOV-96 27-NOV-9		CMV1	120010	DAED	70.00		: ,		: ;
MAEB 19-DEC-96 (18-DEC-96 < 25 BAEB 19-DEC-96 (18-DEC-96 < 10 BAEB 19-DEC-96 (18-DEC-96 (18-		5	12000		2000	717.0	, P &	2;	₹ :
BAEA 21-NOV-96 27-NOV-96 8 BAEB 09-DEC-96 18-DEC-96 8 BAEB 09-DEC-96 18-DEC-96 8 BAEA 21-NOV-96 27-NOV-96 8 BA			130CLB		מיייני	מים	, 8	2	5
BAEA 21-NOV-96 27-NOV-96 8 BAEA 21-NOV-96 27-NOV-96 25 BAEA 21-NOV-96 27-NOV-96 25 BAEB 09-DEC-96 27-NOV-96 27-NO			2000		QNH-17	2	۰ و	0	덜
BAEB 09-DEC-96 (18-DEC-96 < 25 BAEA 21-NOV-96 27-NOV-96 < 10 BAEA 21-NOV-96 27-NOV-96 < 10 BAEB 09-DEC-96 (18-DEC-96 < 10 BAEB 09-DEC-96 (18-DEC-96 < 10 BAEA 21-NOV-96 27-NOV-96 < 10 BAEA 21-NOV-96 27-NOV-96 < 10 BAEB 09-DEC-96 (18-DEC-96 < 10 BAEA 21-NOV-96 27-NOV-96 < 10 BAEA 21-NOV-96 27-NOV			200	BAEA	8-12	20H-7	ķ	S	덕
BAEB 09-DEC-96 18-DEC-96 (1) BAEA 21-NOV-96 27-NOV-96 (1) BAEA 21-NOV-96 27-NOV-96 (1) BAEB 09-DEC-96 18-DEC-96 (1) BAEA 21-NOV-96 27-NOV-96 (1)			245TCP		8-pec-8	18-DEC	× 8	ĸ	력
BAEA 21-NOV-96 27-NOV-96 < 10 BAEA 21-NOV-96 27-NOV-96 < 10 BAEB 09-DEC-96 18-DEC-96 < 10 BAEB 09-DEC-96 10 BAEA 21-NOV-96 27-NOV-96 < 10 BAEB 09-DEC-96 18-DEC-96 < 10 BAEA 21-NOV-96 27-NOV-96 < 10			245TCP		99-DEC-96	18-DEC	8	2	뎔
BAEA 21-NOV-96 27-NOV-96 (10) BAEB 09-DEC-96 (10) BAEA 21-NOV-96 (10) BAEA 21-NOV-96 (10) BAEA 21-NOV-96 (10) BAEA 21-NOV-96 (10) BAEB 09-DEC-96 (10) BAEA 21-NOV-96 27-NOV-96 (25) BAEB 09-DEC-96 (10) BAEA 21-NOV-96 27-NOV-96 (10)			246TCP	BAEA	21-NOV-96	27-NOV	8	10.	2
BAEB 09-DEC-96 18-DEC-96 (10) BAEA 21-NOV-96 27-NOV-96 (10) BAEA 21-NOV-96 27-NOV-96 (10) BAEB 09-DEC-96 18-DEC-96 (10) BAEA 21-NOV-96 27-NOV-96 (10)			246TCP	BAEA	21-NOV-96	27-IEOV	8	, <u>-</u>	į <u>.</u>
BAEB 09-DEC-96 18-DEC-96 (10) BAEA 21-NOV-96 27-NOV-96 (10) BAEA 21-NOV-96 27-NOV-96 (10) BAEB 09-DEC-96 (10) BAEB 09-DEC-96 (10) BAEA 21-NOV-96 27-NOV-96 (10)			246TCP	BAEB	09-DEC-96	18-DEC	8	2.5	į <u>-</u>
BAEA 21-NOV-96 27-NOV-96 (10 BAEA 21-NOV-96 27-NOV-96 (27-NOV-96 (27-			246TCP	RAFR	8-5-5-6	18-hFC	8	25	į
BAEA 21-NOV-96 27-NOV-96 (10 BAEB 09-DEC-96 (18 DEC-96 (19 BAEB 09-DEC-96 (18 DEC-96 (19 BAEB 09-DEC-96 (19			240CLP	RAFA	2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	77-15	8	2 -	į <u>.</u>
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BAEA 21-NOV-96 27-NOV-96 (10 BAEA 21-NOV-96 27-NOV-96 (10 BAEA 21-NOV-96 27-NOV-96 (10 BAEA 21-NOV-96 27-NOV-96 (10 BAEA 21-NOV-96 27-NOV-96 (20 BAEA 21-NOV-96 27-NOV-96 (20 BAEA 21-NOV-96 27-NOV-96 (20 BAEA 21-NOV-96 27-NOV-96 (10 BAEC-96 (10 BAEA 21-NOV-96 27-NOV-96 (10 BAEC-96			24001	DAFE	20-757-00	18-75	88	2 5	į <u>.</u>
BAEA 21-NOV-96 27-NOV-96 (10) BAEA 21-NOV-96 27-NOV-96 (10) BAEB 09-DEC-96 18-DEC-96 (10) BAEB 09-DEC-96 18-DEC-96 (25) BAEB 09-DEC-96 18-DEC-96 (25) BAEA 21-NOV-96 27-NOV-96 (25) BAEA 21-NOV-96 27-NOV-96 (10)			240CI P	BARD	20-5-5-6-5-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8-8		88	25	4 2
BACA 21-NOV-95 27-NOV-95 (1) BAEB 09-DEC-96 18-DEC-96 (1) BAEB 09-DEC-96 18-DEC-96 (1) BAEA 21-NOV-96 27-NOV-96 (2) BAEA 21-NOV-96 27-NOV-96 (2) BAEA 21-NOV-96 27-NOV-96 (2) BAEA 21-NOV-96 27-NOV-96 (2) BAEA 21-NOV-96 27-NOV-96 (1)			24.0MDV	PARA	21-12/-04	72 NO.	2	2 5	3 3
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BAEA 21-NOV-96 27-NOV-96 (10) BAEA 21-NOV-96 27-NOV-96 (10) BAEB 09-DEC-96 (10) BAEA 21-NOV-96 27-NOV-96 (10)			24DNP	BAEB	99-DEC-98	18-DEC-	8	K	<u>ا</u>
BAEA 21-NOV-96 27-NOV-96 (10) BAEB 09-DEC-96 18-DEC-96 (10) BAEA 21-NOV-96 27-NOV-96 (10) BAEA 21-NOV-96 27-NOV-96 (10) BAEA 21-NOV-96 27-NOV-96 (10) BAEB 09-DEC-96 18-DEC-96 (10) BAEB 09-DEC-96 18-DEC-96 (10) BAEA 21-NOV-96 27-NOV-96 (10)			26DNT	BAEA	21-NOV-96	27-MOV	8	12	2
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BAEA 21-NOV-96 27-NOV-96 < 10 BAEA 21-NOV-86 27-NOV-96 < 10 BAEB 09-DEC-96			26DNT	BAEB	99-DEC-96	18-DEC-	8	101	ē
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BAEB 09-DEC-96 18-DEC-96 (10 BAEA 21-NOV-96 27-NOV-96 (10 BAEA 21-NOV-96 27-NOV-96 (10 BAEB 09-DEC-96 (10 BAEA 21-NOV-96 (10 BA			2CMAP	BAEB	09-DEC-96	18-DFC-	8	= =	ے ا
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BAER 21-NOV-96 27-NOV-96 < 10 BAER 09-DEC-96 18-DEC-96 < 10 BAER 09-DEC-96 < 10 BAER 21-NOV-96 < 10 BAER 21-NOV-96 72-NOV-96 < 10			ZWAZ	BAFA	7.7.7.	27.22	88	2 5	5 5
BAEB 09-DEC-96 (10-DEC-96 (10-DEC			A P	RAFA	3	27.10	, , 88	5 5	d 5
BARB 09-DEC-96 18-DEC-96 < 10 BARA 21-MVN-04, 27-MVN-04, 40			ZMIAP	S E	26.75	18-DEC-	88	2 5	를 2
RAFA 21-WN-04 27-WN-04 < 10			ZANAD.		0.55.00	֓֞֞֜֜֝֓֞֝֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֓֓֓֓֡֓֓֓֓֓֡֓֓֡֓֡֓֡֓֡	, , S S	2 \$	3 3
			9	BAEA	21-12-12	22-120-7	88	2 \$	ತ ಕ

Table: Appendix K

METHOD BLANKS (WATER)

SMV1	
ZMP ZMP ZNANIL BAEB 09-DEC-96 ZNANIL BAEB 09-DEC-96 ZNANIL BAEB 09-DEC-96 ZNP ZNCBD	BAEB BAEB BAEB BAEB BAEB BAEB BAEB BAEB
ZMP ZMP ZMANIL ZNANIL ZNANIL ZNP ZSDCBD ZSDCBD ZSDCBD ZSDCBD ZSDCBD ZSDCBD ZSDCBD ZSDCBD ZSDCBD ZSDCBD ZSDCBD ZSDCBD ZSDCBD ZNP ZNANIL 466NZC	
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METHOD BLANKS (WATER)

G.	Contractor Method Description	IRDMIS Method Code	Test	Lot	Prep Date	Analysis Date	•	Value	J it
4.WP BAEB 09-DEC-96 18-DEC-96 (4.WP BAEB 09-DEC-96 18-DEC-96 (4.WP BAEB 09-DEC-96 18-DEC-96 (4.WAIII BAEA 21-NOV-96 27-NOV-96 (2.5) (4.WAIII BAEB 09-DEC-96 18-DEC-96 (3.5) (4.WAIII BAEB 09-DEC-96 18-DEC-96 (3.WAIII BAEB 09-DEC-96 18-DEC-96 (3.WAIII BAEB 09-DEC-96 18-DEC-96 (3.WAIII BAEB 09-DEC-96 18-DEC-96 (3.WAIII BAEB 09-DEC-96 (3.WAIII B	ABB-ES	SW.1	4	BAEA	21-HOV-96	27-NOV-9		10	: g
4.WP BAEB 09-DEC-96 18-DEC-96 (10 14 14 14 14 14 14 14 14 14 14 14 14 14	ABB-ES		4	BAEA	21-NOV-96	27-NOV-9	× 5	5	3
4,44P	A88-ES		4	BAEB	99-DEC-96	18-DEC-9	× ×	5	ತ
4.MMILL BAEA 21-NOV-96 27-NOV-96 < 25-MANILL BAEB 09-DEC-96 18-DEC-96 < 25-MAPTL BAEB 09-DEC-96 18-DEC-96 < 25-MAPTL BAEB 09-DEC-96 18-DEC-96 < 10-DEC-96 10-DEC	A88-ES		4	BAEB	99-DEC-98	18-DEC-9	× 5	5	ತ
4MANIL BAEA 21-NOV-96 27-NOV-96 < 25-MANIL BAEB 09-DEC-96 18-DEC-96 < 25-MANPYL BAEB 21-NOV-96 27-NOV-96 < 10 AMAPYL BAEA 21-NOV-96 27-NOV-96 < 10 AMAPYL BAEA 21-NOV-96 27-NOV-96 < 10 AMAPYL BAEB 09-DEC-96 18-DEC-96 < 10 AMTRC BAEB 09-DEC-96 18-DEC-96 < 10 AMTRC BAEB 09-DEC-96 18-DEC-96 < 10 AMTRC BAEB 09-DEC-96 18-DEC-96 < 10 B2CEXM BAANTR BAEB 09-DEC-96 18-DEC-96 < 10 B3ANNTR BAEB 09-DEC-96	AB 8-ES		4NAN1L	BAEA	21-NOV-96	27-NOV-9	× •	12	펄
4MAPIL BAEB 09-DEC-96 18-DEC-96 < 25 AMAPYL BAEA 21-MOV-96 27-MOV-96 < 10 AMAPYL BAEB 09-DEC-96 18-DEC-96 < 10 AMAPYL BAEB 09-DEC-96 18-DEC-96 < 10 AMTRC BAEB 09-DEC-96 18-DEC-96 < 10 BZCEXM BAEB 09-DEC-96 18-DEC-96 < 10 BZCEYM BAEB 09-DEC-96 18-DEC-96 < 10	A88-ES		4NAN1L	BAEA	21-NOV-96	27-NOV-9	× ×	ĸ	펄
AMAPYL BAEB 09-DEC-96 18-DEC-96 < 27-MOV-96 27	AB8-ES		4NAN1L	BAEB	99-DEC-98	18-DEC-9	×	X	ğ
AMAPYL BAEA 21-NOV-96 27-NOV-96 < 10 AMAPYL BAEB 09-DEC-96 18-DEC-96 < 10 AMAPYL BAEB 09-DEC-96 18-DEC-96 < 10 AMTRC BAEA 21-NOV-96 27-NOV-96 < 10 AMTRC BAEA 21-NOV-96 27-NOV-96 < 10 AMTRC BAEA 21-NOV-96 27-NOV-96 < 10 B2CEXM BAEB 09-DEC-96 18-DEC-96 < 1	A88-ES		4NAN1	BAEB	99-DEC-96	18-DEC-9	× ~	ĸ	멸
AMAPYL BAEA 21-NOV-96 27-NOV-96 < 10 AMAPYL BAEB 09-DEC-96 18-DEC-96 < 10 AMAPYL BAEB 09-DEC-96 18-DEC-96 < 10 AMTRC BAEA 21-NOV-96 27-NOV-96 < 10 AMTRC BAEA 21-NOV-96 27-NOV-96 < 10 AMTRC BAEA 21-NOV-96 27-NOV-96 < 10 BACEM BAEB 09-DEC-96 18-DEC-96 < 10 BANANTR BAEB 09-DEC-96 18-DEC	A88-ES		AMAPYL	BAEA	21-NOV-96	27-NOV-9	×	12	널
ANAPYL BAEB 09-DEC-96 18-DEC-96 (10) ANTRC BAEA 21-NOV-96 27-NOV-96 (11) ANTRC BAEB 21-NOV-96 27-NOV-96 (11) ANTRC BAEB 09-DEC-96 18-DEC-96 (11) BATTRC BAEB 09-DEC-96 18-DEC-96 (11) BANANTR BAEA 21-NOV-96 27-NOV-96 (11) BANANTR BAEB 09-DEC-96 18-DEC-96 (11)	A88-E S		ANAPYL	BAEA	21-HOV-96	27-NOV-9	× 5	5	널
ANAPYL BAEB 09-DEC-96 18-DEC-96 (10 ANTRC BAEA 21-NOV-96 27-NOV-96 (11 OTTO) ANTRC BAEA 21-NOV-96 27-NOV-96 (11 OTTO) ANTRC BAEB 09-DEC-96 18-DEC-96 (11 OTTO) BZCEXM BAEA 21-NOV-96 27-NOV-96 (11 OTTO) BZCEXM BAEA 21-NOV-96 27-NOV-96 (11 OTTO) BZCEXM BAEB 09-DEC-96 (11 OTTO) BZCEXM BAEB 09-DEC-96 (11 OTTO) BZCEXM BAEB 09-DEC-96 (11 OTTO) BZCEY BAEA 21-NOV-96 27-NOV-96 (11 OTTO) BZCIPE BAEA 21-NOV-96 27-NOV-96 (11 OTTO) BZCIPE BAEB 09-DEC-96 (11 OTTO) BZCIPE BAEA 21-NOV-96 27-NOV-96 (11 OTTO) BZCHP BAEA 21-NOV-96 27-NOV-96 (11 OTTO) BAANTR BAEA 21-NOV-96 27-NOV-96 (11 OTTO)	A88 -ES		ANAPYL	BAEB	99-DEC-96	18-DEC-9	× ×	9	펄
ANTRC BAEA 21-NOV-96 27-NOV-96 < 10 ANTRC BAEB 09-DEC-96 (10 ANTRC BAEB 09-DEC-96 (10 BZCEXM BAEA 21-NOV-96 27-NOV-96 < 10 BZCEXM BAEB 09-DEC-96 (10 BZCEXM BAEB 09-DEC-96 (10 BZCIEW BAEA 21-NOV-96 27-NOV-96 < 10 BZCIEW BAEB 09-DEC-96 (10 BZCHP BAEB 09-DEC-96	A88-ES		ANAPYL	BAEB	99-DEC-96	18-DEC-9	×	5	널
ANTRC BAEA 21-NOV-96 27-NOV-96 < 10 ANTRC BAEB 09-DEC-96 18-DEC-96 < 10 BZCEXM BAEA 21-NOV-96 27-NOV-96 < 10 BZCEXM BAEA 21-NOV-96 27-NOV-96 < 10 BZCEXM BAEB 09-DEC-96 18-DEC-96 < 10 BZCEXM BAEB 09-DEC-96 18-DEC-96 < 10 BZCIPE BAEA 21-NOV-96 27-NOV-96 < 10 BZCIPE BAEA 21-NOV-96 27-NOV-96 < 10 BZCIPE BAEB 09-DEC-96 18-DEC-96 < 10 BZCHP BAEB 09-DEC-96 18-DEC-96 < 10 BZCHP BAEB 09-DEC-96 18-DEC-96 < 10 BZCHP BAEB 09-DEC-96 18-DEC-96 < 10 BAANTR BAEA 21-NOV-96 27-NOV-96 < 10 BAANTR BAEB 21-NOV-96 27-NOV-96 < 10 BAANTR BAEB 09-DEC-96 18-DEC-96 < 10	AB 8-ES		ANTRC	BAEA	21-NOV-96	27-NOV-9	× ×	5	ತ
ANTRC BAEB 09-DEC-96 18-DEC-96 (10) BZCEXM BAEA 21-NOV-96 27-NOV-96 (10) BZCEXM BAEA 21-NOV-96 27-NOV-96 (10) BZCEXM BAEB 09-DEC-96 18-DEC-96 (10) BZCEXM BAEB 09-DEC-96 18-DEC-96 (10) BZCIPE BAEA 21-NOV-96 27-NOV-96 (10) BZCIPE BAEA 21-NOV-96 27-NOV-96 (10) BZCIPE BAEB 09-DEC-96 (10) BZCIEE BAEA 21-NOV-96 27-NOV-96 (10) BZCIEE BAEA 21-NOV-96 27-NOV-96 (10) BZCIEE BAEA 21-NOV-96 27-NOV-96 (10) BZCIEE BAEB 09-DEC-96 (10) BZCIEE BAEA 21-NOV-96 27-NOV-96 (10) BZCIEE BAEB 09-DEC-96 (10) BZCIEE BAEB 09-DEC-96 (10) BZCIEE BAEB 09-DEC-96 (10) BZCIEE BAEB 09-DEC-96 (10) BZCHP BAEA 21-NOV-96 27-NOV-96 (10) BZCHP BAEB 09-DEC-96 (10) BZCHP BAEB 09-DEC-96 (10) BZCHP BAEB 09-DEC-96 (10) BAANTR BAEA 21-NOV-96 27-NOV-96 (10) BAANTR BAEA 21-NOV-96 27-NOV-96 (10) BAANTR BAEB 09-DEC-96 18-DEC-96 (10) BAANTR BAEB 0	A88 -ES		ANTRC	BAEA	21-NOV-96	27-MOV-92	× •	2	ತ
## BATTC BAEB 09-DEC-96 18-DEC-96 10 ## BACE 21-NOV-96 27-NOV-96 11 ## BACE 21-NOV-96 27-NOV-96	ABB-ES		ANTRC		99-DEC-96	18-DEC-9	× •	9	펄
B2CEXM BAEA 21-NOV-96 27-NOV-96 10	ABB-ES		ANTRC		96-0EC-96	18-DEC-9	×	2	ತ
B2CEXM BAEA 21-NOV-96 27-NOV-96 10	A88-ES		B2CEXM	BAEA	21-NOV-96	27-NOV-92	×	2	ತ
B2CEXM BAEB 09-DEC-96 18-DEC-96 (10) B2CIPE BAEA 21-NOV-96 27-NOV-96 (10) B2CIPE BAEA 21-NOV-96 27-NOV-96 (10) B2CIPE BAEB 09-DEC-96 18-DEC-96 (10) B2CIPE BAEB 09-DEC-96 18-DEC-96 (10) B2CIEE BAEB 09-DEC-96 18-DEC-96 (10) B2CIPE BAEB 21-NOV-96 27-NOV-96 (20) BAANTR BAEB 21-NOV-96 27-NOV-96 (20) BAANTR BAEB 21-NOV-96 27-NOV-96 (20) BAANTR BAEB 09-DEC-96 18-DEC-96 (20) BAANTR BAEB 09-DEC-96 18-DEC-96 (20) BAANTR BAEB 21-NOV-96 27-NOV-96 (20)	A88-ES		BZCEXM	BAEA	21-NOV-96	27-NOV-9	× ×	9	형
B2CEXM BAEB 09-DEC-96 18-DEC-96 (10) B2CIPE BAEA 21-NOV-96 27-NOV-96 (10) B2CIPE BAEA 21-NOV-96 27-NOV-96 (10) B2CIPE BAEB 09-DEC-96 18-DEC-96 (10) B2CIPE BAEB 09-DEC-96 18-DEC-96 (10) B2CIEE BAEA 21-NOV-96 27-NOV-96 (10) B2CIEE BAEB 09-DEC-96 18-DEC-96 (10) B2CIEE BAEB 09-DEC-96 18-DEC-96 (10) B2CIPE BAEB 09-DEC-96 18-DEC-96 (10) B2CIPE BAEB 09-DEC-96 18-DEC-96 (10) B2CIPE BAEA 21-NOV-96 27-NOV-96 (10) B2CIPE BAEA 21-NOV-96 27-NOV-96 (10) B2CIPE BAEB 09-DEC-96 18-DEC-96 (10) B2CIPE BAEB 09-DEC-96 18-DEC-96 (10) B2CIPE BAEB 09-DEC-96 18-DEC-96 (10) BAANTR BAEA 21-NOV-96 27-NOV-96 (10) BAANTR BAEA 21-NOV-96 27-NOV-96 (10) BAANTR BAEB 09-DEC-96 18-DEC-96 (10) BABNTR BAEB 09-DEC-96 18-DEC-96 (10) BAANTR BAEB 09-DEC-96 18-DEC-96 (10) BARNTR BAEB	A88 -ES		B2CEXON	BAEB	96-DEC-96	18-DEC-9	×	2	ತ
B2CIPE BAEA 21-NOV-96 27-NOV-96 (10) B2CIPE BAEB 09-DEC-96 (10) B2CIPE BAEB 09-DEC-96 (10) B2CIEE BAEA 21-NOV-96 27-NOV-96 (10) B2CIEE BAEA 21-NOV-96 27-NOV-96 (10) B2CIEE BAEA 21-NOV-96 27-NOV-96 (10) B2CIEE BAEB 09-DEC-96 (10) B2CIP BAEB 09-DEC-96 (10) BAANIR BAEA 21-NOV-96 (27-NOV-96 (10) BAANIR BAEB 09-DEC-96 (10) BANIR BA	A88-ES		B2CEX	BAEB	96-DEC-96	18-DEC-9	×	2	멸
BZCIPE BAEA 21-NOV-96 27-NOV-96 (10) BZCIPE BAEB 09-DEC-96 (11) BZCIPE BAEA 21-NOV-96 27-NOV-96 (11) BZCIEE BAEA 21-NOV-96 27-NOV-96 (11) BZCIEE BAEA 21-NOV-96 27-NOV-96 (11) BZCIEE BAEB 09-DEC-96 18-DEC-96 (11) BZEHP BAEA 21-NOV-96 27-NOV-96 (11) BZEHP BAEA 21-NOV-96 27-NOV-96 (11) BZEHP BAEA 21-NOV-96 27-NOV-96 (11) BZEHP BAEB 09-DEC-96 18-DEC-96 (11) BAANNIR BAEA 21-NOV-96 27-NOV-96 (11) BAANNIR BAEA 21-NOV-96 27-NOV-96 (11) BAANNIR BAEA 21-NOV-96 27-NOV-96 (11)	ABB-ES		B2C1PE	BAEA	21-HOV-96	27-NOV-9	×	9	덩
BZCIPE BAEB 09-DEC-96 18-DEC-96 (10) BZCIPE BAEB 09-DEC-96 18-DEC-96 (10) BZCIEE BAEA 21-NOV-96 27-NOV-96 (10) BZCIEE BAEB 09-DEC-96 18-DEC-96 (10) BZCIEE BAEB 09-DEC-96 18-DEC-96 (10) BZEHP BAEA 21-NOV-96 27-NOV-96 (10) BZEHP BAEA 21-NOV-96 27-NOV-96 (10) BZEHP BAEA 21-NOV-96 27-NOV-96 (10) BZEHP BAEB 09-DEC-96 18-DEC-96 (10) BZEHP BAEB 09-DEC-96 18-DEC-96 (10) BAANTR BAEA 21-NOV-96 27-NOV-96 (10) BAANTR BAEA 21-NOV-96 27-NOV-96 (10) BAANTR BAEB 09-DEC-96 18-DEC-96 (10)	ABB-E S		BZCIPE	BAEA	21-HOV-96	27-NON-92	v	2	널
B2CIPE BAEB 09-DEC-96 18-DEC-96 (10) B2CIEE BAEA 21-NOV-96 27-NOV-96 (10) B2CIEE BAEA 21-NOV-96 27-NOV-96 (10) B2CIEE BAEB 09-DEC-96 18-DEC-96 (10) B2CIEE BAEB 09-DEC-96 18-DEC-96 (10) B2EHP BAEA 21-NOV-96 27-NOV-96 (3) B2EHP BAEB 09-DEC-96 18-DEC-96 (3) B2EHP BAEB 09-DEC-96 18-DEC-96 (3) BAANTR BAEA 21-NOV-96 27-NOV-96 (10) BAANTR BAEA 21-NOV-96 27-NOV-96 (10) BAANTR BAEB 09-DEC-96 18-DEC-96 (10)	AB 8-ES		B2CIPE		%-09-60	18-DEC-9	v	2	Ę
B2CLEE BAEA 21-NOV-96 27-NOV-96 < 10 B2CLEE BAEB 09-DEC-96 (10) B2CLEE BAEB 09-DEC-96 (10) B2CHP BAEA 21-NOV-96 27-NOV-96 < 10 B2CHP BAEA 21-NOV-96 27-NOV-96 (10) B2CHP BAEA 21-NOV-96 27-NOV-96 (10) B2CHP BAEB 09-DEC-96 18-DEC-96 (10) B2CHP BAEB 09-DEC-96 18-DEC-96 (10) BAANTR BAEA 21-NOV-96 (10) BAANTR BAEA 21-NOV-96 (10) BAANTR BAEB 09-DEC-96 18-DEC-96 (10) BAANTR BAEA 21-NOV-96 (10) BAANTR BAEB 09-DEC-96 18-DEC-96 (10)	A88-E S		B2CIPE	BAEB	96-DEC-96	18-DEC-9	×	2	ತ
B2CLEE BAEA 21-NOV-96 27-NOV-96 (10) B2CLEE BAEB 09-DEC-96 (11) B2CLEE BAEB 09-DEC-96 (11) B2CLEE BAEB 09-DEC-96 (11) B2CLEE BAEB 09-DEC-96 (11) B2CHP BAEA 21-NOV-96 27-NOV-96 (12) B2CHP BAEB 09-DEC-96 (18-DEC-96 (12) BAANTR BAEA 21-NOV-96 27-NOV-96 (11) BAANTR BAEA 21-NOV-96 27-NOV-96 (11) BAANTR BAEA 21-NOV-96 27-NOV-96 (11) BAANTR BAEB 09-DEC-96 18-DEC-96 (12) BAANTR BAEA 21-NOV-96 (11) BAANTR BAEA 21-NOV-96 (11) BAANTR BAEA 21-NOV-96 (11) BAANTR BAEB 09-DEC-96 18-DEC-96 (11)	A88-ES		82CLEE	BAEA	21-NOV-96	27-NOV-9	v ••	2	렬
B2CLEE BAEB 09-DEC-96 18-DEC-96 (10) B2CLEE BAEB 09-DEC-96 18-DEC-96 (11) B2EHP BAEA 21-NOV-96 27-NOV-96 (11) B2EHP BAEA 21-NOV-96 27-NOV-96 (11) B2EHP BAEB 09-DEC-96 18-DEC-96 (11) B2EHP BAEB 09-DEC-96 18-DEC-96 (11) BAANIR BAEA 21-NOV-96 27-NOV-96 (11) BAANIR BAEA 21-NOV-96 27-NOV-96 (11) BAANIR BAEB 09-DEC-96 18-DEC-96 (11)	A88-ES		B2CLEE	BAEA	21-HOV-96	27-NON-75	v .0	9	멸
BZCLEE BAEB 09-DEC-96 18-DEC-96 (18-DEC-96 (19-DEC-96 (A88-ES		B2CLEE	BAEB	99-DEC-96	18-DEC-9	v 	2	펄
BZEHP BAEA 21-NOV-96 27-NOV-96 < 35 BZEHP BAEA 21-NOV-96 27-NOV-96 < 35 BZEHP BAEB 09-DEC-96 18-DEC-96 < 35 BZEHP BAEB 09-DEC-96 18-DEC-96 < 35 BZEHP BAEB 09-DEC-96 18-DEC-96 < 35 BAANTR BAEA 21-NOV-96 27-NOV-96 < 10 BAANTR BAEA 21-NOV-96 27-NOV-96 < 10 BAANTR BAEB 09-DEC-96 18-DEC-96 < 10 BAANTR BAEB 09-DEC-96 < 10 BAANTR BAEB 09-DEC-96 18-DEC-96 < 10 BAANTR BAEB 09-DEC-96 18-DEC-96 < 10 BAANTR BAED 09-DEC-96 S-DEC-96 < 10 BAANTR BAED 09-DEC-96 S-DEC	A88 -ES		B2CLEE	BAEB	99-DEC-96	18-DEC-9	×	9	멸
BZEHP BAEA 21-NOV-96 27-NOV-96 < 35 BZEHP BAEB 09-DEC-96 18-DEC-96 < 35 BZEHP BAEB 09-DEC-96 18-DEC-96 < 35 BAANTR BAEA 21-NOV-96 < 10 BAANTR BAEA 21-NOV-96 27-NOV-96 < 10 BAANTR BAEA 21-NOV-96 < 10 BAANTR BAEA 21-NOV-96 < 10 BAANTR BAEB 09-DEC-96 18-DEC-96 < 10 BAANTR BAED 09-DEC-96 18-DEC-96 < 10 BAANTR BAEB 09-DEC-96 18-DEC-96 < 10 BAANTR BAED 09-DEC-96 18-DEC-96 < 10 BAANTR BAEB 09-DEC-96 18-DEC-96 < 10 BAANTR BAED 09-DEC-96 < 10 BAANTR BAED 09-DEC-96 18-DEC-96 < 10 BAANTR BAED 09-DEC-96 SAANTR BAED 09-DEC-96 SAANTR BAED 09-DEC-96 SAANTR BAED 09-DEC	A88 -ES		BZETP		21-NOV-96	27-NOV-9	×	12	g
BZEHP BAEB 09-DEC-96 18-DEC-96 < 35 BAZEHP BAEB 09-DEC-96 18-DEC-96 < 35 BAANTR BAEA 21-NOV-96 27-NOV-96 < 10 BAANTR BAEA 21-NOV-96 27-NOV-96 < 10 BAANTR BAEB 09-DEC-96 18-DEC-96 < 10 BANNTR BAEB 09-DEC-96 18-DEC-96 < 10	ABB-ES		BZEHP		21-MOV-96	27-MOV-9	×	8	2
BZEHP BAEB 09-DEC-96 18-DEC-96	ABB-ES		BZEHP	BAEB	99-DEC-96	18-DEC-9	· •	150	į
BAANTR BAEA 21-NOV-96 27-NOV-96 < 10 BAANTR BAEA 21-NOV-96 27-NOV-96 < 10 BAANTR BAEB 09-DEC-96 18-DEC-96 < 10	A88-E S		BZEHP	BAEB	09-DEC-96	18-DEC-9	· ·	1	2
BAANTR BAEA 21-NOV-96 27-NOV-96 < 10 BAANTR BAEB 09-DEC-96 18-DEC-96 < 10	ABB-ES		BAANTR	BAEA	21-NOV-96	27-MOV-9	×	9	9
BAANTR BAEB 09-DEC-96 18-DEC-96 < 10	A88-E S		BAANTR	BAEA	21-MOV-96	27-MOV-92	×	Ę	2
	A88-E S		BAANTR	BAEB	09-DEC-96	18-DEC-9	· •	2 9	₫ ፸

METHOD BLANKS (WATER)

FT. ALLEN

Table: Appendix K

II M Contractor Method Description	IRDMIS Method Code	Test	Lot	Prep Date	Analysis Date	•	Value	J
	SMV1	BAANTR	BAEB	09-DEC-96	18-DEC-96		10	: : ਤ
ABB-ES		BAPYR	BAEA	21-NOV-96	27-NOV-96	v	9	占
ABB-ES		BAPYR	BAEA	21-NOV-96	27-NOV-96	v	9	덬
ABB-ES		BAPYR	BAEB	09-DEC-96	18-DEC-96	~	9	멸
ABB-ES		BAPYR	BAEB	09-DEC-96	18-DEC-96	~	9	i S
ABB-ES		BBFANT	BAEA	21-NOV-96	•	~	9	19
ABB-ES		BBFANT	BAEA	21-NOV-96		v	2	널
ABB-ES		BBFANT	BAEB	09-DEC-96		v	9	멸
ABB-ES		BBFANT	BAEB	09-DEC-96	18-DEC-96	~	9	2
ABB-ES		BBZP	BAEA	21-NOV-96	27-NOV-96	~	9	뎔
ABB-ES		BBZP	BAEA	21-NOV-96	27-NOV-96	v	10	널
ABB-ES		BBZP	BAEB	09-DEC-96	18-DEC-96	v	5	널
ABB-ES		BBZP	BAEB	09-DEC-96	18-DEC-96	~	9	털
ABB-ES		BGHIPY	BAEA	21-NOV-96	27-NOV-96	~	9	15
ABB-ES		BGHIPY	BAEA	21-NOV-96	27-NOV-96	~	9	1 5
ABB-ES		BGHIPY	BAEB		18-DEC-96	~	2	멸
ABB-ES		BGHIPY	BAEB		18-DEC-96	~	9	len
ABB-ES		BKFANT	BAEA		27-NOV-96	v	9	ij
ABB-ES		BKFANT	BAEA	21-NOV-96	27-NOV-96	v	9	걸
ABB-ES		BKFANT	BAEB		18-DEC-96	v	9	걸
ABB-ES		BKFANT	BAEB		18-DEC-96	~	9	덤
ABB-ES		CARBAZ	BAEA		27-NOV-96	v	9	멸
ABB-ES		CARBAZ	BAEA		27-NOV-96	v	ę	걸
ABB-ES		CARBAZ	BAEB	09-DEC-96	18-DEC-96	~	9	ig Per
ABB-ES		CARBAZ	BAEB		18-DEC-96	v	9	멸
ABB-ES		CHRY	BAEA	21-NOV-96	27-NOV-96	v	2	뎔
ABB-ES		CHRY	BAEA		27-NOV-96	v	9	15
ABB-ES		CHRY	BAEB		18-DEC-96	v	9	
ABB-ES		CHRY	BAEB	09-DEC-96	18-DFC-96	v	2	<u> </u>
ABB-ES		CL68Z	BAEA		27-NOV-96		? =	d =
ABB-ES		CL68Z	BAEA		27-NOV-96		9	
ABB-ES		CL68Z	BAEB		18-DEC-96		.	1 2
ABB-ES		CL68Z	BAEB	09-DEC-96	18-DEC-96	v	2	
ABB-ES		CL6CP	BAEA	21-NOV-96	27-NOV-96	v	9	널
ABB-ES		CL6CP	BAEA	21-NOV-96	27-NOV-96	v	9	널

METHOD BLANKS (WATER)

Contractor H	Method Description	IRDMIS Method Code	Test Name	, i	Prep Date	Analysis Date	•	Value	Hit
ABB-ES		S#V1	CL6CP	BAEB	09-DEC-96	18-DEC-96	: : •	_	. 5
ABB-ES			CL6CP	BAEB	99-DEC-96	18-DEC-96	•	2	널
ABB-ES			CLGET	BAEA	21-HOV-96	27-NOV-96 ·	~	_	귤
ABB-ES			CLGET	BAEA	21-NOV-96	27-NOV-96	~	_	덩
ABB-ES			CLGET	BAEB	99-DEC-96	18-DEC-96	~	_	j
ABB-ES			CLEET	BAEB	99-DEC-96	18-DEC-96	~	_	19
ABB-ES			DBAHA		21-NOV-96	27-NOV-96	~	_	19
AB8-E S			DBAHA		21-NOV-96	27-NOV-96	~	_	195
ABB-ES			DBAHA		99-DEC-96	18-DEC-96	•	_	귤
ABB-E S			DBAHA		99-DEC-96	18-DEC-96 ·	~	_	ತ
VBB-E S			DBZFUR	BAEA	21-NOV-96	27-NOV-96	~	_	10
ABB-ES			DBZFUR	BAEA		27-NOV-96	~	_	걸
ABB -ES			DBZFUR	BAEB		18-DEC-96 ·	~		귷
ABB-E S			DBZFUR		%-DEC-80	18-DEC-96 ·	~		5
VBB -ES			DEP		21-NOV-96	27-NOV-96	~		JS/
A88 -ES			DEP		21-NOV-96	27-NOV-96 ·	~		5
ABB-ES			DEP	BAEB	09-DEC-96	18-DEC-96	~		5
A88 -ES			DEP		99-DEC-96	18-DEC-96 ·	~	-	귤
ABB -ES					21-NOV-96	27-NOV-96	~	_	5
ABB-ES					21-NOV-96	27-NOV-96	~	_	귤
A88 -ES			<u>a</u>		99-DEC-96	18-DEC-96 ·	~	-	덩
ABB-E S					99-DEC-96	18-DEC-96 ·	~	_	פר
ABB-E S			DMBP		21-NOV-96	27-HOV-96 ·	~	_	덩
A88 -ES			DMBP		21-104-98	27-NON-96 ·	~	_	걸
ABB -ES					8-59-80 8-06-80	18-DEC-96 ·	~	_	5
ABB -ES			DNBP		8-5EC-86	18-DEC-96 ·	~	_	덩
VBB -ES			DNO	BAEA	21-NOV-96	27-NON-96 ·	~	_	둳
ABB-ES			dONO.	BAEA	21-¥0V-96	27-NOV-96 ·	v	_	덩
ABB -ES			DNO	BAEB	99-DEC-98	18-DEC-96	~	_	2
ABB-ES			DNG	BAEB	99-DEC-96	18-DEC-96 ·	~	_	널
ABB-ES			FANT	BAEA		27-NON-96	~	-	귤
AB8-ES			FANT	BAEA	21-NOV-96	27-NON-95	~	_	5
ABB -ES			FANT	BAEB	%-DEC-80	18-DEC-96 ·	~	_	5
ABB-ES			FANT	BAEB	96-DEC-96	18-DEC-96 ·	~	5	널
ABB-ES			FLRENE	BAEA	21-HOV-96	27-NOV-96 ·	v	_	ם

Table: Appendix K

METHOD BLANKS (WATER)

SAEB BAEB BAEB BAEB BAEB BAEB BAEB BAEB	Method Contractor Method Description Code	Test Name	Lot	Prep Date	Analysis Date	v	Value	Unit
FLRENE BAEB HCBD BAEA HCBD BAEB ICDPYR BAEB ISOPHR T BAEB ISOPHRIT BAEB ISOPHRIT BAEB ISOPHRIT BAEB ISOPHRIT BAEB	SMV1	FLRENE	BAEA	21-NOV-96		: Y	10	: : : : :
HCBD BAEA HCBD BAEA HCBD BAEB HCBD B		FLRENE	BAEB	09-DEC-96	18-DEC-96	v	2	녈
HCBD BAEA HCBD BAEA HCBD BAEB HCBD B		FLRENE	BAEB	09-DEC-96		V	2	널
HCBD BAEA HCBD BAEB HCBD BAEB HCBD BAEB HCDPYR BAEB HC		HCBO	BAEA	21-NOV-96	27-NOV-96	V	2	귤
HCBD BAEB HCBD BAEB ICDPYR BAEA ICDPYR BAEA ICDPYR BAEB ISOPHR BAE		HCBO	BAEA	21-NOV-96		v	10	텀
HCBD BAEB ICDPYR BAEA ICDPYR BAEB ICDPYR BAEB ICDPYR BAEB ISOPHR B		EBD	BAEB	09-DEC-96		v	5	멸
ICDPYR BAEA ICDPYR BAEA ICDPYR BAEA ICDPYR BAEA ISOPHR BAEA INDPA BAEB ISOPHR BAEA INDPA BAEA INDPA BAEB ISOPHR BAEA INDPA BAEA INDPA BAEB INDP		HCB0		09-DEC-96	18-DEC-96	v	10	펄
ICDPYR BAEA ICDPYR BAEB ICDPYR BAEB ICDPYR BAEB ISOPHR BAEA ISOPHR BAEB ISOPHRITE BAEB ISOPHR BAEB ISO		ICDPYR		21-NOV-96	27-NOV-96	v	9	령
ICDPYR. BAEB ICDPYR. BAEB ISOPHR BAEA ISOPHR BAEB ISOP		ICDPYR		21-NOV-96		٧	1	폌
ICDPYR. BAEB ISOPHR BAEA ISOPHR BAEA ISOPHR BAEB ISOPH		ICDPYR	BAEB	09-DEC-96	18-DEC-96	v	10	힘
I SOPHR BAEA I SOPHR BAEA I SOPHR BAEB I SOP		ICDPYR.	BAEB	09-DEC-96	18-DEC-96	v	5	평
I SOPHR BAEA I SOPHR BAEB I SOP		ISOPHR	BAEA	21-NOV-96	27-NOV-96	v	5	힑
I SOPHR BAEB I SOPHR BAEB NAP BAEB NAP BAEB NAP BAEB NAP BAEB NB BAEB NB BAEA NNDPA BAEB		1 SOPHR		21-NOV-96	27-NOV-96	v	10	펅
ISOPHR BAEB NAP BAEA NAP BAEA NAP BAEB NAP BAEB NB BAEA NB BAEA NNDPA BAEB NN		ISOPHR		09-DEC-96	18-DEC-96	v	10	뜅
NAP BAEA NAP BAEA NAP BAEB NAP BAEB NB BAEB NB BAEA NNDPA BAEB NND		ISOPHR		09-DEC-96	18-DEC-96	v	5	팀
NAP BAEA NAP BAEB NAP BAEB NB BAEB NB BAEB NB BAEB NNDPA BAEB NHANTR BAEB NHANTR BAEB NHANTR BAEB NHANTR BAEB		NAP		21-NOV-96	27-NOV-96	v	5	ig S
NAP BAEB NAP BAEB NAP BAEB NB BAEA NB BAEB NB BAEB NNDPA BAEA NNDPA BAEA NNDPA BAEA NNDPA BAEA NNDPA BAEA NNDPA BAEA NNDPA BAEB PHANTR BAEA PHANTR BAEB PHANTR BAEB PHANTR BAEB		NAP		21-NOV-96		v	5	JS N
NAP BAEB NB BAEA NB BAEA NB BAEB NB BAEB NNDPA BAEA NNDPA BAEB NND		NAP	BAEB		18-DEC-96	v	5	ဌ
NB BAEA NB BAEA NB BAEB NB BAEB NNDPA BAEA NNDPA BAEA NNDPA BAEA NNDPA BAEA NNDPA BAEA NNDPA BAEA NNDPA BAEB N		NAP		09-DEC-96	18-DEC-96	v	9	펄
NB BAEA NB BAEB NB BAEB NNDPA BAEB NHANTR BAEB PHANTR BAEB PHANTR BAEB NHANTR BAEB		92		21-NOV-96	27-NOV-96	v	5	폌
NB BAEB NB BAEB NBDA BAEA NNDPA BAEA NNDPA BAEA NNDPA BAEB NNDPA BAEB NNDPA BAEB PHANTR BAEA PHANTR BAEB		8		21-NOV-96	27-NOV-96	v	9	폌
NB BAEB NNDPA BAEA NNDPA BAEA NNDPA BAEA NNDPA BAEB NNDPA NATA NNST 111TCE VAFW		9		09-DEC-96	18-DEC-96	v	10	턩
NNDPA BAEA NNDPA BAEA NNDPA BAEB NNDPA BAEB NNDPA BAEB NNDPA BAEB PHANTR BAEA PHANTR BAEA PHANTR BAEA VMS1 111TCE VAFM		8		09-DEC-96	18-DEC-96	v	5	널
NNDPA BAEA NNDPA BAEB NNDPA BAEB NNDPA BAEB PHANTR BAEA PHANTR BAEA PHANTR BAEB PHANTR BAEB NAST 111TCE VAFW		NNDPA		21-NOV-96	27-NOV-96	v	5	림
NNDPA BAEB NNDPA BAEB NNDPA BAEB PHANTR BAEA PHANTR BAEB PHANTR BAEB PHANTR BAEB NMS1 111TCE VAFW		NNDPA		21-NOV-96	27-NOV-96	v	5	폌
NNDPA BAEB PHANTR BAEA PHANTR BAEA PHANTR BAEA PHANTR BAEB PHANTR BAEB PHANTR BAEB (WS1 111TCE VAFW YAFW YAFW YAFW YAFW YAFW YAFW YAFW Y		NNDPA		09-DEC-96	18-DEC-96	v	10	핅
PHANTR BAEA PHANTR BAEA PHANTR BAEB PHANTR BAEB (WS1 111TCE VAFW		NNDPA	BAEB	09-DEC-96	18-DEC-96	v	9	걸
PHANTR BAEA : PHANTR BAEB (PHANTR BAEB (VMS1 111TCE VAFW)		PHANTR	BAEA	21-NOV-96	27-NOV-96	v	9	5
PHANTR BAEB (PHANTR BAEB (VMS1 111TCE VAFW VAFW 111TCE VAFW VAFW VAFW VAFW VAFW VAFW VAFW VAFW		PHANTR	BAEA	21-NOV-96	27-NOV-96	v	9	널
PHANTR BAEB (VMS1 111TCE VAFW 111TCE VAFW 1		PHANTR	BAEB	09-DEC-96	18-DEC-96	v	10	191
VMS1 111TCE VAFW		PHANTR	BAEB	09-DEC-96	18-DEC-96	v	9	널
111TCE VAFW	VMS1	111TCE	VAFW	12-DEC-96	12-DEC-96	v	_	Je Ne
		111TCE		12-DEC-96	12-DEC-96	v	_	뎔
111TCE VAFX		111TCE		06-DEC-96	14-DEC-96	v	_	Je Ne

METHOD BLANKS (WATER)

112TCE VAFA 12-DEC-96 112TCE VAFA 12-DEC-96 112TCE VAFA 12-DEC-96 11DCE VAFA 12-DEC-96 11DCE VAFA 12-DEC-96 11DCE VAFA 12-DEC-96 11DCE VAFA 12-DEC-96 11DCLE VAFA 12-DEC-96 11DCLE VAFA 12-DEC-96 11DCLE VAFA 12-DEC-96 11DCLE VAFA 06-DEC-96 11DCLE VAFA 06-DEC-96 11DCLE VAFA 06-DEC-96 12DCLE VAFA 12-DEC-96 12DCLE VAFA 06-DEC-96 12DCLE VAFA 06-DEC-96 12DCLE VAFA 12-DEC-96 12DCLE VAFA 06-DEC-96 12DCLE VAFA 06-DEC-96 12DCLE VAFA 12-DEC-96 12DCLP VAFA 12-DEC-96 12DC	Contractor Method Description	IRDMIS Method Code	Test	Lot	Prep Date	Analysis Date	. >	Value	Unit
112TCE VAFN 12-DEC-96 112TCE VAFN 12-DEC-96 11DCE VAFN 12-DEC-96 11DCE VAFN 12-DEC-96 11DCE VAFN 06-DEC-96 11DCE VAFN 06-DEC-96 11DCE VAFN 12-DEC-96 11DCLE VAFN 12-DEC-96 11DCLE VAFN 12-DEC-96 11DCLE VAFN 06-DEC-96 11DCLE VAFN 06-DEC-96 12DCE VAFN 06-DEC-96 12DCE VAFN 06-DEC-96 12DCLE VAFN 12-DEC-96 12DCLP	ABB-ES	VMS1	111706	X X	06-DEC-96	14-DEC-96		; -	
112TCE VAFN 12-DEC-96 11DCE VAFN 60-DEC-96 11DCE VAFN 60-DEC-96 11DCE VAFN 60-DEC-96 11DCE VAFN 12-DEC-96 11DCE VAFN 12-DEC-96 11DCLE VAFN 12-DEC-96 11DCLE VAFN 12-DEC-96 11DCLE VAFN 12-DEC-96 11DCLE VAFN 12-DEC-96 12DCE VAFN 12-DEC-96 12DCE VAFN 12-DEC-96 12DCE VAFN 12-DEC-96 12DCLE VAFN 60-DEC-96 12DCLE VAFN 12-DEC-96 12DCLP V	ABB-ES		112TCE	VAFE	12-DEC-96			-	널
1127CE VAFX 06-DEC-96 11DCE VAFX 12-DEC-96 11DCE VAFX 12-DEC-96 11DCE VAFX 12-DEC-96 11DCLE VAFX 06-DEC-96 11DCLE VAFX 06-DEC-96 11DCLE VAFX 06-DEC-96 11DCLE VAFX 06-DEC-96 12DCE VAFX 06-DEC-96 12DCE VAFX 06-DEC-96 12DCLE VAFX 06-DEC-96 12DCLP VAFY 12-DEC-96 12DCL	ABB-ES		112TCE	VAFU	12-DEC-96		~		펄
1127CE VAFX 06-DEC-96 11DCE VAFW 12-DEC-96 11DCE VAFW 12-DEC-96 11DCLE VAFW 06-DEC-96 11DCLE VAFW 12-DEC-96 11DCLE VAFW 12-DEC-96 11DCLE VAFW 12-DEC-96 11DCLE VAFW 12-DEC-96 12DCE VAFW 12-DEC-96 12DCE VAFW 12-DEC-96 12DCLE VAFW 12-DEC-96 12DCLP VAFW 12-DEC-96 12DCP	ABB-ES		112TCE	VAFX	%-DEC-%	14-DEC-96	v	_	널
110CE VAFN 12-DEC-96 110CE VAFN 60-DEC-96 110CE VAFN 60-DEC-96 110CLE VAFN 60-DEC-96 110CLE VAFN 12-DEC-96 110CLE VAFN 60-DEC-96 110CLE VAFN 12-DEC-96 120CE VAFN 12-DEC-96 120CE VAFN 12-DEC-96 120CLE VAFN 60-DEC-96 120CLP VAFN 12-DEC-96 120CL	AB8-E S		112TCE	VAFX	96-DEC-96	14-DEC-96	•	_	털
110CE VAFA 12-DEC-96 110CE VAFA 06-DEC-96 110CLE VAFA 12-DEC-96 110CLE VAFA 12-DEC-96 110CLE VAFA 12-DEC-96 110CLE VAFA 06-DEC-96 120CE VAFA 06-DEC-96 120CE VAFA 06-DEC-96 120CLE VAFA 12-DEC-96 120CLE VAFA 06-DEC-96 120CLP VAFA 12-DEC-96 120CP VAFA 12-DEC-96 12	ABB-ES		110CE	VAFE	12-DEC-96	12-DEC-96	•	-	널
110CE VAFX 06-DEC-96 110CLE VAFY 12-DEC-96 110CLE VAFY 12-DEC-96 110CLE VAFY 12-DEC-96 110CLE VAFY 12-DEC-96 120CE VAFY 12-DEC-96 120CE VAFY 12-DEC-96 120CE VAFY 12-DEC-96 120CLE VAFY 12-DEC-96 120CLE VAFY 06-DEC-96 120CLE VAFY 06-DEC-96 120CLE VAFY 06-DEC-96 120CLE VAFY 06-DEC-96 120CLP VAFY 12-DEC-96 120C	ABB-ES		110CE	VAFE	12-DEC-96	12-DEC-96	•	_	널
110CLE VAFX 06-DEC-96 110CLE VAFA 12-DEC-96 110CLE VAFA 06-DEC-96 110CLE VAFX 06-DEC-96 110CLE VAFX 06-DEC-96 120CE VAFA 12-DEC-96 120CE VAFA 12-DEC-96 120CE VAFA 12-DEC-96 120CLE VAFA 12-DEC-96 120CLE VAFA 12-DEC-96 120CLE VAFA 12-DEC-96 120CLP VAFA 06-DEC-96 120CLP VAFA 12-DEC-96 120	A 88-ES		110CE		96-DEC-96		~	_	펄
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110CLE VAFX 06-DEC-96 110CLE VAFX 06-DEC-96 120CE VAFY 12-DEC-96 120CE VAFY 12-DEC-96 120CLE VAFY 06-DEC-96 120CLP VAFY 06-DEC-96 120CLP VAFY 12-DEC-96 12	ABB-ES		110CLE		12-DEC-96		•	_	걸
110CLE VAFX 06-DEC-96 120CE VAFW 12-DEC-96 120CE VAFW 12-DEC-96 120CE VAFW 06-DEC-96 120CLE VAFW 12-DEC-96 120CLE VAFW 12-DEC-96 120CLE VAFW 12-DEC-96 120CLP VAFW 12-DEC-96 120	ABB-E S		11DCLE		96-DEC-96	4-	•	_	널
120CE VAFN 12-DEC-96 120CE VAFN 12-DEC-96 120CE VAFN 06-DEC-96 120CLE VAFN 12-DEC-96 120CLE VAFN 12-DEC-96 120CLE VAFN 12-DEC-96 120CLP VAFN 12-DEC-96 120	ABB-ES		11DCLE	VAFX	96-DEC-96		•	- -	3
120CE VAFN 12-DEC-96 120CE VAFN 06-DEC-96 120CLE VAFN 06-DEC-96 120CLE VAFN 12-DEC-96 120CLE VAFN 12-DEC-96 120CLE VAFN 06-DEC-96 120CLP VAFN 12-DEC-96 120CLP VAFN 12-DEC-96 120CLP VAFN 12-DEC-96 120CLP VAFN 06-DEC-96 120CLP VAFN 06-DEC-96 120CLP VAFN 12-DEC-96 12	ABB-ES		120CE	VAFU	12-DEC-96		•	,	펄
120CE VAFX 06-DEC-96 120CLE VAFY 12-DEC-96 120CLE VAFY 11-DEC-96 120CLE VAFY 06-DEC-96 120CLE VAFY 06-DEC-96 120CLP VAFY 12-DEC-96 120CLP VAFY 06-DEC-96 120CLP VAFY 12-DEC-96 1	A88-ES		120CE	VAFU	12-DEC-96		•	-	펄
120CE VAFX 06-DEC-96 120CLE VAFW 12-DEC-96 120CLE VAFW 12-DEC-96 120CLE VAFW 06-DEC-96 120CLP VAFW 12-DEC-96 1	ABB -ES		120CE	VAFX	96-DEC-96		•	-	펄
120CLE VAFN 12-DEC-96 120CLE VAFN 12-DEC-96 120CLE VAFN 06-DEC-96 120CLP VAFN 12-DEC-96 120CLP VAFN 12-DEC-96 120CLP VAFN 12-DEC-96 120CLP VAFN 12-DEC-96 ACET VAFN 12-DEC-96 ACET VAFN 12-DEC-96 ACET VAFN 12-DEC-96 BRDCLH VAFN 12-DEC-96	A68 -ES		128CE		06-DEC-96	14-DEC-96	•	-	ತ
120CLE VAFN 12-DEC-96 120CLE VAFX 06-DEC-96 120CLP VAFN 12-DEC-96 120CLP VAFN 12-DEC-96 120CLP VAFN 12-DEC-96 120CLP VAFN 12-DEC-96 ACET VAFN 12-DEC-96 ACET VAFN 12-DEC-96 ACET VAFN 06-DEC-96 ACET VAFN 06-DEC-96 BRDCLM VAFN 12-DEC-96	ABB-ES		120CLE		12-DEC-%	12-DEC-96	•	-	펄
120CLE VARY 06-DEC-96 120CLP VARY 12-DEC-96 120CLP VARY 12-DEC-96 120CLP VARY 06-DEC-96 120CLP VARY 06-DEC-96 ACET VARY 12-DEC-96 ACET VARY 12-DEC-96 BRDCLM VARY 12-DEC-96 BRDCLM VARY 12-DEC-96 BRDCLM VARY 06-DEC-96 BRDCLM VARY 06-DEC-96 BRDCLM VARY 06-DEC-96 BRDCLM VARY 06-DEC-96 BRDCLM VARY 12-DEC-96	ABB-ES		120CLE		12-DEC-96	12-DEC-96	•	-	펄
120CLE VAFX 06-DEC-96 120CLP VAFU 12-DEC-96 120CLP VAFX 06-DEC-96 120CLP VAFX 06-DEC-96 120CLP VAFX 06-DEC-96 ACET VAFX 12-DEC-96 ACET VAFX 06-DEC-96 BRDCLM VAFU 12-DEC-96 BRDCLM VAFU 12-DEC-96 BRDCLM VAFU 12-DEC-96 BRDCLM VAFU 12-DEC-96 BRDCLM VAFV 06-DEC-96 BRDCLM VAFV 12-DEC-96	A88-ES		120CLE		06-DEC-96		•	-	덕
120CLP VAFU 12-DEC-96 120CLP VAFU 12-DEC-96 120CLP VAFX 06-DEC-96 120CLP VAFX 06-DEC-96 ACET VAFY 12-DEC-96 ACET VAFY 12-DEC-96 BRDCLIM VAFU 12-DEC-96 BRDCLIM VAFU 12-DEC-96 BRDCLIM VAFY 06-DEC-96 BRDCLIM VAFU 12-DEC-96 BRDCLIM VAFY 06-DEC-96 BRDCLIM VAFY 12-DEC-96 BRDCLIM VAFY 06-DEC-96 BRDCLIM VAFY 06-DEC-96 BRDCLIM VAFY 06-DEC-96 BRDCLIM VAFY 06-DEC-96 BRDCLIM VAFY 12-DEC-96 BRDCLIM VAFY 12-DEC-96 C130CP VAFU 12-DEC-96	ABB-ES		120CLE		8-0EC-8		~		덕
120CLP VAFU 12-DEC-96 120CLP VAFX 06-DEC-96 120CLP VAFX 06-DEC-96 ACET VAFU 12-DEC-96 ACET VAFU 12-DEC-96 ACET VAFU 12-DEC-96 BRDCLIM VAFU 12-DEC-96 BRDCLIM VAFU 12-DEC-96 BRDCLIM VAFY 06-DEC-96 BRDCLIM VAFY 12-DEC-96 C130CP VAFU 12-DEC-96	A88-ES		120CLP		12-DEC-96		•	_	덕
120CLP VAFX 06-DEC-96 120CLP VAFX 06-DEC-96 ACET VAFY 12-DEC-96 ACET VAFY 12-DEC-96 ACET VAFY 06-DEC-96 BRDCLM VAFY 06-DEC-96 BRDCLM VAFY 12-DEC-96 BRDCLM VAFY 06-DEC-96 BRDCLM VAFY 06-DEC-96 BRDCLM VAFY 06-DEC-96 BRDCLM VAFY 06-DEC-96 C130CP VAFY 12-DEC-96 C130CP VAFY 12-DEC-96	ABB-ES		120CL	VAFE	12-DEC-96	12-DEC-96	•	-	덕
120CLP VAFX 06-DEC-96 ACET VAFW 12-DEC-96 ACET VAFW 12-DEC-96 ACET VAFX 06-DEC-96 BRDCLM VAFW 12-DEC-96 BRDCLM VAFW 12-DEC-96 BRDCLM VAFW 12-DEC-96 BRDCLM VAFW 12-DEC-96 C130CP VAFW 12-DEC-96 C130CP VAFW 12-DEC-96	ABB-ES		120CL	Χ¥	26-DEC-98	14-DEC-98	~	_	력
ACET VAFN 12-DEC-96 ACET VAFN 12-DEC-96 ACET VAFN 06-DEC-96 ACET VAFN 06-DEC-96 BRDCLM VAFN 12-DEC-96 BRDCLM VAFN 12-DEC-96 BRDCLM VAFN 12-DEC-96 C130CP VAFN 12-DEC-96 C130CP VAFN 12-DEC-96	ABB-ES		120CLP	VAFX	8-DEC-8	14-DEC-96	•	_	덕
ACET VAFW 12-DEC-96 ACET VAFX 06-DEC-96 ACET VAFX 06-DEC-96 BRDCLIM VAFW 12-DEC-96 BRDCLIM VAFW 12-DEC-96 BRDCLIM VAFW 06-DEC-96 C130CP VAFW 12-DEC-96 C130CP VAFW 12-DEC-96	788-E S		ACET	VAF	12-DEC-98	12-DEC-%	~	'n	펄
ACET VAFX 06-DEC-96 ACET VAFX 06-DEC-96 BRDCLIM VAFM 12-DEC-96 BRDCLIM VAFM 12-DEC-96 BRDCLIM VAFX 06-DEC-96 BRDCLIM VAFX 06-DEC-96 C130CP VAFW 12-DEC-96 C130CP VAFW 12-DEC-96	ABB-ES		ACET	VAFU	12-DEC-96	12-DEC-96	v	'n	펄
ACET VAFX 06-DEC-96 BRDCLM VAFW 12-DEC-96 BRDCLM VAFY 06-DEC-96 BRDCLM VAFX 06-DEC-96 C130CP VAFW 12-DEC-96 C130CP VAFW 12-DEC-96	ABB-ES		ACET	VAFX	%-DEC-%	14-DEC-96	•	'n	5
BRDCLM VAFW 12-DEC-96 BRDCLM VAFX 06-DEC-96 BRDCLM VAFX 06-DEC-96 BRDCLM VAFX 06-DEC-96 C130CP VAFW 12-DEC-96 C130CP VAFW 12-DEC-96	A88-E S		ACET	VAFX	96-DEC-96	14-DEC-96	v	'n	ತ
BRDCLM VAFW 12-DEC-96 BRDCLM VAFX 06-DEC-96 BRDCLM VAFX 06-DEC-96 C130CP VAFW 12-DEC-96 C130CP VAFW 12-DEC-96	ABB-ES		BRDCLM	VAFU	12-DEC-96	12-DEC-96	v	***	력
BRDCLM VAFX 06-DEC-96 BRDCLM VAFX 06-DEC-96 C13DCP VAFW 12-DEC-96 C13DCP VAFW 12-DEC-96	A88-ES		BRDCLM	Z Z	12-DEC-96	12-DEC-96	•	-	덕
BRDCLM VAFX 06-DEC-96 C13DCP VAFW 12-DEC-96 C13DCP VAFW 12-DEC-96	ABB-ES		BRDCLM	VAFX	96-DEC-96	14-DEC-96	v	-	덕
C130CP VARY 12-DEC-96 C130CP VARY 12-DEC-96	ABB-ES		BRDCLM	VAFX	96-DEC-96	14-DEC-96	~	-	덕
C130CP VAFW 12-DEC-96	A88-E S		5 20 20 20 20	Z	12-DEC-96	12-DEC-96	v	_	덕
	A88 -ES		138Q	Z Z	12-DEC-%	12-DEC-96	v	_	폌

Table: Appendix K METHOD BLANKS (WATER) FT. ALLEN

Value Unit		
Analysis Date <	7.12-0EC-96	
۵.۵	VAFX 06-DEC-96 VAFX 12-DEC-96	
Test Name	130 G 130 G	
IRDMIS Method Code	. TSSY	
Contractor Method Description	ABB-ES ABB-ES	

METHOD BLANKS (WATER)

Wasi CHCL3 WAR G-DEC-96 12-DEC-96 CHCL9 WASI CHCL3 WAR NO-DEC-96 12-DEC-96 CHCL9 WAS NO-DEC-96 12-DEC-96 CHCL3 WAS NO-DEC-96 12-DEC-96 CHCL96 C		IRDMIS Method	Test		Prep	Analysis			,
MASI CHCL3 WAFA 12-DEC-96 12-DEC-96 (-1012) CHCL3 WAFA 06-DEC-96 14-DEC-96 (-1016) CLCGM5 WAFA 12-DEC-96 12-DEC-96 (-1016) CLCGM5 WAFA 12-DEC-96 12-DEC-96 (-1016) CLCGM5 WAFA 12-DEC-96 14-DEC-96 (-1016) CS2 WAFA 12-DEC-96 14-DEC-96 (-1016) CS2 WAFA 06-DEC-96 14-DEC-96 (-1016) CS2 WAFA 06-DEC-96 14-DEC-96 (-1016) DBRCLM WAFA 06-DEC-96 14-DEC-96 (-1016) DBRCLM WAFA 06-DEC-96 14-DEC-96 (-1016) ETCGM5 WAFA 12-DEC-96 (-1016) ETCGM5 WAFA	dutiación method bescription	coe	Kelle .	ָבָּב :	Date	Date	, ;	Value	<u>;</u>
CHCL3 VAFY 06-DEC-96, 14-DEC-96, 12-DEC-96,	ABB-ES	VMS1	CHCL3		12-DEC-96	•	•		
CHCL3 VAFY 06-DEC-96 14-DEC-96 CLOGAS VAFY 12-DEC-96 12-DEC-96 CLCGAS VAFY 12-DEC-96 12-DEC-96 CLCGAS VAFY 06-DEC-96 12-DEC-96 CLCGAS VAFY 06-DEC-96 12-DEC-96 CCS2 VAFY 06-DEC-96 VAFY 06	88-ES		CHCL3		96-DEC-96	-	•	=	 2
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	i-ES		¥	VAFX	26-PEC-96	14-0FC-98	, ,		4 7

Table: Appendix K METHOD BLANKS (WATER)

Contractor	Contractor Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	ž	Value Unit
ARR-FS	1 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	VMS1	STYR	VAFU	12-DEC-96	12-DEC-96 <		1 UGL
488-ES		!	STYR	VAFU	12-DEC-96	12-DEC-96 <		100
ABB-ES			STYR	VAFX	06-DEC-96	14-DEC-96 <	.,	1 UGL
48B-ES			STYR	VAFX	96-DEC-96	14-DEC-96 <	.,	1 UGL
ABB-ES			T130CP	VAFW	12-DEC-96		.,	1 J
ABB-ES			T130CP	VAFW	12-DEC-96	•	.,	1 UGL
4BB-ES			1130CP	VAFX	06-DEC-96	14-DEC-96 <	.,	1 UGL
48B-ES			T130CP	VAFX	06-DEC-96	14-DEC-96 <	.,	1 190
ABB-ES			TCLEA	VAFW	12-DEC-96	12-DEC-96 <	.,	1 Joe
4BB-ES			TCLEA	VAFW	12-DEC-96	12-DEC-96 <	.,	1 UGL
ABB-ES			TCLEA	VAFX	96-DEC-90	14-DEC-96 <		1 G
ABB-ES			TCLEA	VAFX	06-DEC-96	14-DEC-96 <		- ਯੂ
ABB-ES			TCLEE	VAFW	12-DEC-96	~	.,	1 100
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ABB-ES			TRCLE	VAFX	06-DEC-96	14-DEC-96 <		- 당
4BB-ES			TXYLEN	VAFW	12-DEC-96	12-DEC-96 <		1 Joe
4BB-ES			TXYLEN	VAFW	12-DEC-96	12-DEC-96 <	.,	1 UGL
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ABB-ES			TXYLEN	VAFX	06-DEC-96	14-DEC-96 <	.,	- 일
ABB-ES			UNK273	VAFW	12-DEC-96	12-DEC-96		1 UGL

TRIP BLANKS

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Table: Appendix K

RINSE BLANKS

Value Unit	348 UGL 105 UGL 100 UGL 100 UGL 100 UGL	55555 mmmmm	55555 2000 2000 2000 2000	សសសស ឧធ្មន្តឧធ្មន្ត	55555 22222 22222	66666 66666 66666 66666 66666 66666 6666	5 UG. 5 UG.
Analysis Date	19-NOV-96 26-NOV-96 04-DEC-96 10-DEC-96 19-NOV-96 26-NOV-96 < 18-NOV-96 26-NOV-96 < 03-DEC-96 10-DEC-96 <	18-NOV-96 11-DEC-96 < 19-NOV-96 11-DEC-96 < 19-NOV-96 11-DEC-96 < 03-DEC-96 12-DEC-96 < 04-DEC-96 12-DEC-96 < 04-DEC-96 12-DEC-96 <	18-NOV-96 21-NOV-96 < 19-NOV-96 21-NOV-96 < 19-NOV-96 21-NOV-96 < 03-DEC-96 06-DEC-96 < 04-DEC-96 06-DEC-96 <	19-NOV-96 11-DEC-96 < 18-NOV-96 11-DEC-96 < 19-NOV-96 11-DEC-96 < 03-DEC-96 12-DEC-96 < 04-DEC-96 12-DEC-96 <	18-NOV-96 11-DEC-96 < 19-NOV-96 11-DEC-96 < 19-NOV-96 11-DEC-96 < 03-DEC-96 < 04-DEC-96 < 04-DEC-96 12-DEC-96 < 04-DEC-96 12-DEC-96 <	03-DEC-96 10-DEC-96 < 18-NOV-96 10-DEC-96 < 04-DEC-96 10-DEC-96 < 19-NOV-96 10-DEC-96 < 19-NOV-96 10-DEC-96 <	03-DEC-96 17-DEC-96 < 19-NOV-96 17-DEC-96 <
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Lab Test Number Name	52680-02 DRO 52856-07 DRO 52680-01 DRO 52680-03 DRO 52856-05 DRO	52680-03 PB 52680-02 PB 52680-01 PB 52856-05 PB 52856-07 PB	52680-03 GRO 52680-01 GRO 52680-02 GRO 52856-05 GRO 52856-07 GRO	52680-02 SE 52680-03 SE 52680-01 SE 52856-05 SE 52856-07 SE	52680-03 1L 52680-02 1L 52680-01 1L 52856-05 1L 52856-07 1L	52856-05 HG 52880-03 HG 52856-07 HG 52880-01 HG 52680-02 HG	52856-05 AS 52680-02 AS
IRDMIS Field Sample Number	RNSWSSO1 RNSWBWO2 RNSWSBO2 RNSWSBO1 RNSWBWO1	RNSWSB01 RNSWSS01 RNSWSB02 RNSWML01 RNSWML02	RNSWSB01 RNSWSB02 RNSWSS01 RNSWMW01 RNSWMW02	RNSWSSO1 RNSWSBO1 RNSWSBO2 RNSWMWO1 RNSWMWO2	RNSWSB01 RNSWSS01 RNSWSB02 RNSWMW01 RNSWMW02	RNSWMWO1 RNSWSB01 RNSWMWO2 RNSWSB02 RNSWSS01	RNSWMW01 RNSWSS01
IRDMIS Site ID	RNSMSSO1 RNSMMDO2 RNSMSBO2 RNSMSBO1 RNSMMD01	RNSWSB01 RNSWSS01 RNSWSB02 RNSWMW01 RNSWMW02	RNSWSB01 RNSWSB02 RNSWSS01 RNSWMW01 RNSWMW02	RNSWSSO1 RNSWSBO1 RNSWSBO2 RNSWMW01 RNSWMW02	RNSWSBO1 RNSWSSO1 RNSWSBO2 RNSWMWO1 RNSWMWO2	RNSMMO1 RNSMSB01 RNSMMNO2 RNSMSB02 RNSMSS01	RNSWMW01 RNSWSS01
IRDMIS Method Code	DRO	GP81	GRO	GSE1	GTL1	HGC1	ICM1
Contractor Method Description							
Contracto	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES

RINSE BLANKS FT. ALLEN

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Analysis Date <	17-DEC-96 <				17-DEC-96 <		17-DEC-96 <	•	17-DEC-96 <	17-DEC-96 <	17-DEC-96 <	17-DEC-96 <	18-DEC-96 <	17-DEC-96 <	17-DEC-96 <	-		-	12-DEC-96 <	12-DEC-96 <	12-DEC-96 <						12-DEC-96 <	12-DEC-96 <	12-DEC-96 <	12-DEC-96 <	12-DEC-96 <		12-DEC-96 <	12-DEC-96 <			
S O	WBL 19-NOV-96		_	_	MBL 18-NOV-96		LABL 19-NOV-96		1 03-DEC-			WABL 18-NOV-96				- 19-NOV-		•	ADL 03-DEC-96	Ξ.	S-PEC-	19-NOV-		ADK 19-NOV-96				ADK 19-NOV-96		94-DEC		19-NOV-		ADK 18-NOV-96	å	ADK 19-NOV-96	ġ.
Test Name	AS	AS	AS	.	38	8	36	8	8	8	8	8	8	88	88	88	88	88	5 AG 1	AG I	Ye.	AG.	AG 1	_ ¥	-	_ 	_ 	- ¥	_ ≨	_ &	X	<u>-</u>	 ≨		_ 5		ี 5
Lab Number	52680-01	52680-03	52856-07	52856-0	52680-03	52680-01	52680-02	52856-07	52856-0	52680-0	52680-0	52680-03	52856-07	52856-05	52680-03	52680-01	52680-0	52856-07	52856-05	52680-0	52856-07	52680-0	52680-02	52680-01	52680-03	52856-0	52856-0	52680-02	52680-0	52856-0	52856-05	52680-0	52680-02	52680-03	52856-05	52680-01	52680-02
IRDMIS Field Sample Number	RNSWSB02	RNSWSBOT	RNSH MOS	RNSIMEO1	RNSWSB01	RNSWSB02	RNSWSS01	RNSI-MOS	RNSIMMO1	RNSWSB02	RNSWSS01	RNSWSB01	RNSIAMO2	RNSI-MO1	RNSWSB01	RNSWSB02	RNSWSS01	RNSI-MO2	RNSLPL01	RNS4SB01	RNSI-MO2	RNSWSB02	RNSIJSS01	RNS4SB02	RNSNSB01	RNSLPHJO1	RNSI-MIO2	RNSUSS01	RNSWSB01	RNSI-MIO2	RNSLPLO1	RNS4SB02	RNS4SS01	RNS#SB01	RNSIMMO1	RNSWSB02	RNSIASSO1
IRDMIS Site 1D	RNSWSB02	KNS4SB01	RNS#M02	RNSI-FLO1	RNS4SB01	RNS#SB02	RNS4SS01	RNSIMMO2	RNSIMMO1	RNS4SB02	RNS4SS01	RNS ₄ SB01	RNS-MIOS	RNS4MO1	RNS4SB01	RNS4SB02	RNS45S01	RNSLANO2	RNSI-MO1	RNS4SB01	RNS.P.02	RNS45B02	RNS4SS01	RNS4SB02	RNS4SB01	RNSLP4.01	RNSIA NO	RNS45S01	RNS45B01	RNSIMMO2	RNSIMIO1	RNS4SB02	RNS4SS01	RNS4SB01	RNS4401	RNS4S802	RNS4SS01
IRDMIS Method Code	101																		1CP2																		
Contractor Method Description	9	2	\$	S	S	S	Ş	Ş	S	S:	S	S	S	S	S	S:	S	S	S	S	S	S	Ş	S	ø	S	S	ø	S.	ø	v.	ç,	S	S	S	S	s.
Contrac	ABB-ES	A88-1	ABB-ES	A88-E	ABB -E	ABB- E	A88-E	ABB-ES	A88 -E	ABB-ES	ABB-ES	A88-E	ABB -ES	ABB -ES	ABB -ES	ABB-ES	ABB-ES	ABB -ES	ABB-ES	ABB-ES	A88-ES	ABB-ES	ABB -E	ABB -ES	788 -E	ABB -ES	ABB -E	788	A88-E	ABB-ES	A88-E	A88 -E	A88-E	788 -E	ABB-ES	A88- E	V88 -ES

Table: Appendix K RINSE BLANKS

< Value Unit	**************************************
Analysis Date	72-0-6-38 75-0-6
	140L (3-DEC-96 140L (3-DEC-96
Test Name	- 2000000000000000000000000000000000000
Lab	52856-07 52880-01 52880-01 52880-01 52880-01 52880-01 52880-01 52880-01 52880-01 52880-01 52880-01 52856-07 52880-01 52856-07 52880-01 52856-07 52856-07 52880-01 52880-01 52880-01 52880-01 52880-01 52880-01 52880-01 52880-01 52880-01 52880-01 52880-01 52880-01 52880-01 52880-01 52880-01
IRDMIS Field Sample Number	RNSWMOOZ RNS
IRDMIS Site ID	RNSIAMUOZ RNSIAMUOZ RNSIASOO R
IRDMIS Method Code	
Contractor Method Description	
Contract	ABB-ES

RINSE BLANKS

188-ES	Code	IRDMIS Site ID	Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	•	Value Uni	
	1CP2	RNSWSB01	RNSWSB01	52680-03	ş		18-NOV-96	12-DEC-96			
ABB-ES		RNS#SB02	RNSWSB02	52680-01			19-NOV-98		v		
156 - E.S.		RNS4S01	RNSUSSO1	52680-02			19-NOV-96		•		
		RESERVED 1	RNSLPETO1	52856-05			03-060-96		~		
ABB-ES		RNS4402	RNSI-MOS	52856-07		3	04-DEC-98		~		
		RNS4SB01	RNSL/SB01	52680-03			18-IN-95				
		RNS-ISB02	RNSL/SB02	52680-01	: =		- 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10	12-75-06	, ,		
ABB-ES		RMS-ISSO1	PHS-ISSO1	52680-02	: 3		10-10-01	12-75-76	, ,		
A88-ES		DNS-MED)	DIVERSED 2	52854-07	: >		2 - NEC - 2	12-25-25	, ,		
ABB-ES		PNS-LCBO1	PNC-KB01	52480-03	->		18-127-54	22-22-22	, ·		
SI-BBN		DISCEDIO	DNCTCDU	E2480-04	• >		K-A01		, ,		
ABB-FS		PNC FE D1	PNC IM DA	200000	> >	ž	8. 5. 5. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.		•		
ABB-FC		DNG ICCO	KNOMENCO.	2,0000	> :		03-nec-30		~		
21 20 T		KNOWN	CACHONA	20-0000	> i	Ž	28-A04-81		~		
		KNSHA	RNSHALOT	52856-05	2	₹	03-DEC-96		~		
Men-ES		RNSIPPOS	RNSIPPROS	52856-07	Z	3	94-DEC-98	-	•		
ABB-ES		RNS45B01	RNS4SB01	52680-03	NZ	Ž	18-NOV-96		~		
ABB-ES		RNS4SB02	RNSWSB02	52680-01	17.	Ϋ́	19-MOV-95				
188 -ES		RNS4SS01	RNS4SS01	52680-02	12	ğ	19-104-8	12-DEC-98	· •	1 2 2 2 3	
ξ. Ε	•		;								
		KNSMSBUZ	KNSWSB02	52680-01	124TCB		19-NDV-96	27-NOV-96	•		
A68-E5		RNS4SB01	RNS4SB01	52680-03	•		18-MOV-96	27-NOV-96	~		
ABB-ES		RNS4SS01	RNS4SS01	52680-02	•		19-NOV-96	27-NOV-96	~	10 00	
WBB-ES		RNSIMO1	REMSTATED!	52856-05	•		03-DEC-96	13-DEC-96	•		
A88-ES		RNSI-MO2	RNS4402	52856-07	_		96-DEC-96	13-DEC-98	· •		
		RNS4SB02	RNS4SB02	52680-01	•		19-MOV-95	27-EQ98	•		
A88 -ES		RNS4SB01	RNS4SB01	52680-03	120Cl		18-INV-96				
		PNSUSS01	PNS-ISSO	52480-02	1200		10-10-01	22-12/-05	, ,		
A88-ES		PWCLELD	DAG PERO	52856-OF	200		25-25-25	2 22 2	, ,		
		DNG PETOS	PNCLEEDO	52856-07	3 5		אריים אריים אריים	מייים לייים ליים לייים ליים לייים לי	, ,		
		DNCCCOUS	DNG KEDUS	E2480-04	256		200	מיים-ני	,		
		DNG JCD01	DNC ICDO	52480-03			2	Q-51-72			
AB8-FS		DISCUSSION OF THE PROPERTY OF	DAG SCOT				2	2-M-17	•		
		RNSHSSQ BNC at 04	KANAGO SE SE	20-0025	200		25-M24-61	%-AQN-72	v		
27 GB-		SHOWING THE CO.					03-DEC-30	13-DEC-38	~		
		KNSTACK	KNS. TOO		130CB		8-DEC-8	13-DEC-98	~	_	
		KNS#S802	RNS#SB02	52680-01	140CLB		19-MOV-96	27-NOV-96	~	_	
		RNSI/SB01	RNS4SB01	52680-03	140CLB	BAEA	18-NOV-96		•		
		RNS4SS01	RNS4SS01	52680-02	140CLB	BAEA	19-NON-96	27-MOV-96		100	
		RNSLMLO1	RNSLALO1	52856-05	140CLB	BAEB	03-DEC-96				

RINSE BLANKS FT. ALLEN

Rethod IRDMIS Since Lab Test Lot Date	Value Unit	- 6888886666666666666688888866666666666
ROWING STEE 10 Number	sis	27-NOV-96 27-NOV-96 27-NOV-96 27-NOV-96 27-NOV-96 27-NOV-96 27-NOV-96 27-NOV-96 27-NOV-96 27-NOV-96 27-NOV-96 27-NOV-96 27-NOV-96 27-NOV-96 37-NOV-96
TRDMIS		104-DEC-96 119-NOV-96
IRDMIS IRDMIS Method IRDMIS Sample Code Site ID Number SMV1 RNSWASD2 RNSWASD2 RNSWASD2 RNSWASD3 RNSWAND3	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
IRDMIS Rethod IRDMIS S Method IRDMIS S Code Site ID N Code Site ID N SMV1 RNSWSB01 R RNSWMB02 R RNSWMB02 R RNSWMB02 R RNSWSB01 R RNSWMB01 R RNSWMB01 R RNSWMB01 R RNSWSB01 R RNSWMB01 R RNSWSB01 R RNS		
IRDMIS Method Description Code SMV1		
octor Method Descr	υ ρ	
	Contractor Method Description	ABB-ES

RINSE BLANKS

Contractor Method Description	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	•	Value Unit
A88-ES	SW1	RNS4SS01	RNSWSS01	52680-02		BAEA	19-NOV-96	27-NOV-96		10 UGL
ABB-ES		RNSI-MO1	RNSWM01	52856-05	2CL.P	BAEB	03-DEC-96	13-DEC-96	•	10 UGL
ABB-ES		RNS44402	RNS4402	52856-07		BAEB	04-DEC-96	13-DEC-96	•	
A88-ES		RNS4SB02	RNSWSB02	52680-01	2CNAP	BAEA		27-NOV-96	•	
A88 -ES		RNS4SS01	RNS4SS01	52680-02	•	REA	19-NOV-96	27-NOV-98	~	
A88 -ES		RNS4SB01	RNS4SB01	52680-03		WEA	18-MOV-96	27-NOV-96	~	
A88 -ES		RNSI-MO1	RNS44401	52856-05	• •	BAEB	03-DEC-96	13-DEC-96	•	
A88-ES		RNSI-MO2	RNS4M02	52856-07		BAEB	8-DEC-8	13-DEC-96	~	
A88 -ES		RNS4/SB02	RNS4SB02	52680-01	•	BAEA	19-NOV-96	27-NOV-96	~	
A88 -ES		RNS4SB01	RNSWSB01	52680-03		BAEA	18-NOV-96	27-NOV-96	•	
A8B -ES		RNS4SS01	RNS4SS01	52680-02	•	BAEA	19-NOV-96	27-NOV-96	~	
A88 -ES		RNSLANO1	RNS4M101	52856-05		BAEB	03-DEC-96	13-DEC-96	•	
A 88-ES		RNSLM102	RNSIMM02	52856-07	•	BAEB	8-DEC-8	13-DEC-96	•	
A88 -ES		RNS4SB02	RNSNSB02	52680-01		BAEA	19-NOV-96	27-MOV-98	•	
A88 -ES		RNS4SS01	RNSUSS01	52680-02		BAEA	19-NOV-96	27-NOV-96	~	
A88-ES		RNS4SB01	RNS4SB01	52680-03		BAEA	18-NOV-96	27-NOV-96	~	
ABB-ES		RNSLAND1	RNSLMLO1	52856-05		BAEB	03-DEC-96	13-DEC-96	•	
A88-ES		RNSIMO2	RNSIA-102	52856-07		BAEB	8-DEC-8	13-DEC-96	•	
V8B -ES		RNSWSB02	RNSNSB02	52680-01		BAEA	19-NOV-95	27-NOV-96	•	
A88-ES		RNS4SB01	RNSWSB01	52680-03		BAEA	18-MOV-96	27-NOV-96	v	
ABB -ES		RNSWSSOI	RNS#SS01	52680-02		BAEA	26-AON-61	2/-HQV-56	v	
A88-E S		RNSLP4101	RNSI-MO1	52856-05			03-DEC-98	13-DEC-96	,	를 (2)
ABB-ES		RNST-102	RNSHM02	52856-07			%-DEC-%	13-DEC-96	~	
ABB-ES		RNS#SB02	RNSINSB02	52680-01	• • •	BAEA	19-NOV-98	27-NOV-96	v	
A88-ES		RNSWSB01	RNSWSB01	52680-03		BAEA	18-NOV-98	27-NOV-98	•	
VBB-E S		RNS4SS01	RNSASSOT	22680-02		ME ME	8-A-61	27-MOV-98	v	
A88 -ES		RNSIMMO1	RNSIA-101	52856-05	•	BAEB	03-050-98	13-DEC-96	~	
A88-ES		RNS4402	RNSI-MO2	52856-07		BAEB	24-DEC-98	13-DEC-96	v	
A88-E S		RNS4SB02	RNS4SB02	52680-01	33000	BAEA	19-KOV-96	27-NOV-98	v	
A88 -ES		RNS4SB01	RNS4SB01	52680-03		REA	18-KOV-98	27-NOV-96	v	
A88-ES		RNS4SS01	RNSWSS01	52680-02		BAEA	19-MOV-96	27-NOV-96	•	
A88-ES		RNSLML01	RNSTATIO	52856-05			03-DEC-98	13-DEC-98	•	
ABB-ES		RNS1M102	RNSIMMO2	52856-07			8-566-8	13-DEC-98	•	
ABB-ES		RNS4SB02	RNS4SB02	52680-01	• •	BAEA	19-10V-9	27-NOV-98	•	
A88-ES		RNS4SB01	RNSWSB01	52680-03		A A	18-107-98	27-NOV-98	~	
A88-E S		RNSI-ISSOI	RNSWSS01	52680-02		BAEA	19-104-96	27-NOV-98	~	
ABB-ES		RNS MOT	RNSHAOT	52856-05	.,,	BAEB	8	13-DEC-96	,	
AB 8-ES		RNSI-MOS	RNSI-MOS	/n- 9 5825	SWANIL		04-DEC-98	13-DEC-96	v	

RINSE BLANKS FT. ALLEN

Value Unit	25 VGL				_	_	_									10 UGL				10 UGL									_		_	_	_	25 UGL	_	_	_	25 UGL
Analysis Date			• •	13-UEC-90 4	13-DEC-96 <	27-NOV-96 <	27-NOV-96 <	27-NOV-96 <	13-DEC-96 <	13-DEC-96 <	27-NOV-96 <	27-NOV-96 <	27-NOV-96 <	13-DEC-96 <	13-DEC-96 <	27-NOV-96 <	27-NOV-96 <	27-NOV-96 <	13-DEC-96 <	13-DEC-96 <	27-NOV-96 <		27-NOV-96 <	13-DEC-96 <	13-DEC-96 <	27-NOV-96 <		27-NOV-96 <	13-DEC-96 <	13-DEC-96 <	27-NOV-96 <	27-NOV-96 <	27-NOV-96 <	13-DEC-96 <	13-DEC-96 <	27-NOV-96 <	27-NOV-96 <	27-NOV-96 <
Sample Date		4 18-NOV-96			_	•	•		3 03-DEC-96			•		-	_	19-NOV-96	18-NOV-96	19-NOV-96	03-DEC-96	04-DEC-96	19-NOV-96	18-NOV-96	19-NOV-96	_	_	-			3 03-DEC-96		•	4 18-NOV-96	4 19-NOV-96	_	_	•	•	-
Lot	BAEA	BAEA	SALA F	BAEB	84EB	BAEA	BAEA	BAE/	BAEB	BAEB	BAE	BAEA	BAE	BAEB	BAEB	BAEA	BAEA	BAEA	BAEB	BAEB	BAEA	BAE/	BAE	BAEB	BAEB	BAEA	BAEA	BAEA	BAEB	BAEB	BAEA	BAEA	BAEA	BAEB	BAEB	BAE/	BAEA	BAEA
Test Name		460NZC	•		_	_	4BRPPE	~	-	4BRPPE	4CANIL	-	4CANIL	4CANIL				4cL3c			4CLPPE		4CLPPE				_	_	-	4MP	4NANIL	4NANIL	4NANIL	_	4NANIL	4NP	4NP	4NÞ
Lab Number	52680-01	50-0897C	70-020	CD-0282C	52856-07	52680-01	52680-03	52680-02	52856-05	52856-07	52680-01	52680-03	52680-02	52856-05	52856-07	52680-01	52680-03	52680-02	52856-05	52856-07	52680-01	52680-03	52680-02	52856-05	52856-07	52680-01	52680-02	52680-03	52856-05	52856-07	52680-01	52680-03	52680-02	52856-05	52856-07	52680-01	52680-02	52680-03
IRDMIS Field Sample Number	RNSWSB02	KNSWSBO!	KNSWSSC Signature	KNSMMON	RNSWMW02	RNSWSB02	RNSWSB01	RNSMSS01	RNSWM01	RNSWM02	RNSWSB02	RNSWSB01	RNSWSS01	RNSWM01	RNSWM02	RNSWSB02	RNSWSB01	RNSWSS01	RNSWM01	RNSWM02	RNSWSB02	RNSWSB01	RNSMSS01	RNSWM01	RNSWM02	RNSWSB02	RNSWSS01	RNSWSB01	RNSMM01	RNSWM02	RNSWSB02	RNSWSB01	RNSMSS01	RNSWM01	RNSWM02	RNSWSB02	RNSWSS01	RNSWSB01
IRDMIS Site ID	RNSWSB02	KNSWSBC I	KNSMSSC Strong and of	KNSMMO	RNSWM02	RNSWSB02	RNSWSB01	RNSWSS01	RNSWM01	RNSWMW02	RNSWSB02	RNSWSB01	RNSWSS01	RNSWM01	RNSWM02	RNSWSB02	RNSWSB01	RNSWSS01	RNSIMM01	RNSWM02	RNSWSB02	RNSWSB01	RNSWSS01	RNSWM01	RNSWM02	RNSWSB02	RNSWSS01	RNSWSB01	RNSWW01	RNSWM02	RNSWSB02	RNSWSB01	RNSWSS01	RNSWW01	RNSIMM02	RNSWSB02	RNSWSS01	RNSWSB01
IRDMIS Method Code	SMV1																																					
Contractor Method Description	6	0.4	A (0 (νο.	(4)	40	ω.	(A	ω.	6	40	60	(0)	40		60		(0)	(4)	(4)	40	(A)	(0)	10	40		"	40	"		"	(0	(0	(0	(0	(0	•
Contr	ABB-ES	ABB-ES	700	ABB-ES	ABB-ES	ABB-E	ABB-ES	ABB-E	ABB-ES	ABB-E	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-E	ABB-E	ABB-E	ABB-ES	A88-E	ABB-ES	ABB-ES	ABB-E	ABB-ES	ABB-E	ABB-ES	ABB-ES	ABB-E	ABB-ES	A88-E							

RINSE BLANKS

Contractor Method Description	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	v	Value Unit
	SHV1	RNSLMLOT	RNSI-MO1	52856-05	dN7		03-DEC-96			
ADD-ES		KNSIMOZ KNSIMOZ	KNSMMOZ	52856-07	4.EP		04-DEC-98		v	
ABB-ES		RNS4SB02	KNSWSB02	52680-01	ANAPNE	BAEA	19-NOV-96		v	ට කි
ABB-ES		NASASBOT BNS REED	KNSWSB01	52680-03	-		18-NOV-96	27-NOV-98	v ·	
ARR-EC		DNO ME DA	KNOWSOU	70-0070	_		8-M-40	%-NON-12	v	
A88-FS		DUCLERIO	DASS AND CO.	22626-03	ANAPWE		8-5-5-8	13-DEC-38	v '	
A88-ES		PMCL/CR/12	PHOLEBOZ	52680-01	AKAPHE		24-04-54 40-40-40-40 40-40-40-40-40-40-40-40-40-40-40-40-40-4	13-DEC-98	۷,	
A88-ES		RNSUSR01	PNSUSBOL	52680-03	ANADYI		19-MOV-95	27-150V-YO	,	
ABB-ES		RNS4SS01	RNSIASSO1	52680-02	AMAPYI	RAFA	10-MO-05	27-MOV-95	, v	
A88 -ES		RNSLP4.01	RNSIMMO1	52856-05			03-DEC-96	13-DEC-96	, v	
A88 -ES		RNSLP6.02	RNSIAMO2	52856-07			8-5E-8	13-DFC-82	, _v	
ABB-ES		RNSWSB02	RNS4SB02	52680-01			19-NOV-96	27-107-8		
ABB-ES		RNSWSB01	RNSMSB01	52680-03		BAEA	18-NOV-96	27-NOV-96		
A88-E S		RNS4SS01	RNS4SS01	52680-02		BAEA	19-NON-96	27-NOV-96	· •	
ABB-ES		RNSI-MO1	RNSIMMO1	52856-05		BAEB	03-DEC-96	13-DEC-96	•	
ABB-ES		RNSI-MO2	RNSI-MO2	52856-07	ANTRC	BAEB	94-DEC-98	13-DEC-96	~	
ABB-ES		RNSWSB02	RNSWSB02	52680-01	B2CEXM	BAEA	19-NOV-96	27-NOV-96	•	
A88-ES		RNS4SB01	RNS4SB01	52680-03		BAEA	18-NOV-96	27-NOV-96	•	10 UG
A88 -ES		RNS4SS01	RNS4SS01	52680-02		BAEA	19-NOV-96	27-NOV-96	~	10 UC
A68-ES		RNSI-MO1	RNSIPPO1	52856-05		BAEB	03-DEC-96	13-DEC-96	•	10 UGL
A88-ES		RNSI-MO2	RNSIPPROS	52856-07		BAEB	8-DEC-8	13-DEC-96	•	라
ABB-ES		RNSWSB02	RNSWSB02	52680-01		BAEA	19-NOV-96	27-NOV-96	•	10 100
ABB-ES		RNSWSB01	RNSWSB01	52680-03		B EA	18-NOV-96	27-NOV-98	•	10 10
A68-E5		RNS#SS01	RNSUSS01	52680-02		BAEA	19-MON-96	27-NOV-96	•	10 UG
A68-ES		RNS MOZ	RNSI-MO2	52856-07		BAEB	24-DEC-98	13-DEC-96	•	10 ਪੁਲ
768 -E3		RNSHMOT	RNSI-MOT	52856-05	BZCIPE	BAEB	03-DEC-96	13-DEC-96	•	1 ਪੂਰ
766-E 5		KWS#SB02	RMS4SB02	52680-01			19-MOV-96	27-NOV-96	~	1 විට විට
A88-ES		RNS4SB01	RNS4SB01	52680-03	BZCLEE		18-NOV-96	27-NOV-96	•	10 UC
ABB-ES		RNS4SS01	RNS4SS01	52680-02	BZCLEE		19-NON-95	27-NOV-96	~	10 10
A88-ES		RNSI-MO2	RNSIAMO2	52856-07			04-DEC-96		~	10.00
A88-E S		RNSLML01	RNSIMO1	52856-05	BZCLEE		03-DEC-96		· •	100
VBB-E S		RNS4SB02	RNS4SB02	52680-01		B EA	19-NOV-96	27-NOV-96		35 (16)
A68-ES		RNS4SS01	RNSIJSS01	52680-02	BZENP		19-NON-96		•	35 UG
ABB-ES		RNS45801	RNS4SB01	52680-03		BAEA		27-NOV-96	~	32 UG
ABB-ES		RNSI-MO2	RNSIMMO2	52856-07		-	-	13-DEC-96	~	35 UG
ABB-ES		RNS4401	RNSI-FLO1	52856-05	BZEIP	_	33-060-96	13-DEC-96	v	35 UG
ABB-ES		RNS4/SB02	RNSWSB02	52680-01	BAANTR	BAEA	19-NOV-96	27-NOV-96	v	10 UG

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Contractor Method Description	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	sis	v	Value Unit
B-ES	SMV1	RNSWSB01	RNSWSB01	52680-03	BAANTR	BAEA		27-NOV-96		10 UG.
ADD-E3		DISTRICT TO STATE OF THE STATE	COLOR MAIO	20000-02	BAANIK	SACA		27-NOV-90	,	
20 - C3 - C		ENSWERING C	KNSWMW0Z	70-020-07	BAANIK	SAES		13-DEC-90		
ABB-153		COGGIONE	KNSMMO	27630-03	BAANIK	A C		13-UEC-96	v ,	
ABB-ES		KNSWSBOZ SOSOSOSOS	KNSWSBOZ	22080-01	BAPTR	BATA P		27-NOV-96	•	
ABB-ES		KNOWSOU DATE ISBUT	KNSMSSO	20-020	BAPTR	BALA	19-NOV-90	27-NOV-72	· ·	
ADD-ES		KNSWSBO	KNSMSBOI	22080-03	BAPTR		18-NOV-86	24-NOV-72	· ·	
ABB-ES		DISCIPLING	ENSWEWUZ DISCIMUN1	52854-05	BAPTK	SALB	04-DEC-90	13-DEC-90	<i>,</i>	5 5 5 5 5 7
A88-ES		RNSUSB02	RNSUSBO	52680-01	RRFANT		10-NOV-96		, ,	
A88-ES		RNSUSB01	RNSWSB01	52680-03	BRFANT				, ,	
ABB-ES		RNSWSS01	RNSWSS01	52680-02	BBFANT		19-NOV-96	27-NOV-96		
ABB-ES		RNSWM02	RNSWM02	52856-07	BBFANT	BAEB			•	
ABB-ES		RNSWM01	RNSWM01	52856-05	BBFANT		03-DEC-96	13-DEC-96	v	
ABB-ES		RNSWSB02	RNSWSB02	52680-01	BBZP		19-NOV-96	27-NOV-96	v	
ABB-ES		RNSWSB01	RNSWSB01	52680-03			18-NOV-96		~	
ABB-ES		RNSMSS01	RNSWSS01	52680-02			19-NOV-96	27-NOV-96		
ABB-ES		RNSWM02	RNSWM02	52856-07	BBZP		04-DEC-96	13-DEC-96		
ABB-ES		RNSWM01	RNSWM01	52856-05	BBZP		03-DEC-96	13-DEC-96	v	
ABB-ES		RNSWSB02	RNSWSB02	52680-01	BGHIPY		19-NOV-96	27-NOV-96	~	
ABB-ES		RNSWSB01	RNSWSB01	52680-03	BGHIPY			27-NOV-96	~	
ABB-ES		RNSWSS01	RNSWSS01	52680-02	BGHIPY		19-NOV-96	27-NOV-96	~	
ABB-ES		RNSIMM02	RNSWM02	52856-07	BGHIPY		04-DEC-96	13-DEC-96	v	
ABB-ES		RNSIMM01	RNSMM01	52856-05	BGHIPY		03-DEC-96	13-DEC-96 ·	~	
ABB-ES		RNSWSB02	RNSWSB02	52680-01	BKFANT	BAEA	19-NON-96	27-NOV-96	v	
ABB-ES		RNSMSB01	RNSWSB01	52680-03		BAEA	18-NOV-96		~	
ABB-ES		RNSWSS01	RNSWSS01	52680-02			19-NOV-96	27-NOV-96	v	
ABB-ES		RNSMM02	RNSWW02	52856-07			04-DEC-96	13-DEC-96 ·	v	
ABB-ES		RNSWMW01	RNSWM01	52856-05	BKFANT	BAEB	03-DEC-96		v	
ABB-ES		RNSWSB02	RNSWSB02	52680-01	CARBAZ	BAEA	19-NOV-96	27-NOV-96	v	
ABB-ES		RNSMSB01	RNSMSB01	52680-03	CARBAZ	BAEA	18-NOV-96	27-NOV-96	v	
ABB-ES		RNSWSS01	RNSMSS01	52680-02		BAEA	19-NOV-96		~	
ABB-ES		RNSWM02	RNSWMW02	52856-07		BAEB	04-DEC-96	13-DEC-96	v	
ABB-ES		RNSMM01	RNSWM01	52856-05	CARBAZ	BAEB	03-DEC-96	13-DEC-96	v	10 UGL
ABB-ES		RNSWSB02	RNSWSB02	52680-01	CHRY	BAEA		27-NOV-96	v	
ABB-ES		KNSWSBOT	KNSWSB01	52680-03	CHRY	BAEA	-	27-NOV-96	v	
ABB-ES		KNSWSSOI	RNSMSSO	52680-02	CHRY	BAEA	96-NON-6L	27-NOV-96	v	
ABB-ES		KNSMMOZ	KNSMMOK	70-96826	CHRY	BAEB	04-DEC-96	13-DEC-96	v	10 UGE

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Contractor Method Description	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Sample Number	Leb Number	Test Name	Lot	Sample Date	Anelysis Date <	Value Unit	
ABB-ES	SEV1	RNSLMM01	RNSIAMO1	52856-05	Ċ₩	BAEB	03-DEC-96	13-DEC-96 <	10 UG	
A88-ES		RNSWSB02	RNSWSB02	52680-01	C1.682	BAEA	19-NOV-96	27-HOV-96 <	1 1 1 2 1	
ABB-ES		RNS4SB01	RNS4SB01	52680-03	CL682	BAEA	18-NOV-96	27-NOV-96 <	_	
ABB-ES		RNS4SS01	RNS4SS01	52680-02	CL682	BAEA	19-NOV-96	27-NOV-96 <	10 Up	
ABB-ES		RNSLP402	RNS4402	52856-07	2 89 7	BAEB	8-06-8	13-DEC-96 <	_	
ABB-ES		RNSLML01	RNS4401	52856-05	CL 68 2	BAEB	03-DEC-96	13-DEC-96 <	100 100 100 100 100 100 100 100 100 100	
ABB-ES		RNSWS802	RNSWSB02	52680-01	כר <i>פ</i> כם	BAEA	19-NDN-96	27-NOV-96 <	_	
ABB-ES		RNSWSB01	RNS4SB01	52680-03	כרפש	BAEA	18-NOV-96	27-NOV-96 <	_	
ABB-ES		RNSWSS01	RNSWSS01	52680-02	CL6GP	BAEA	19-NOV-96	• •	_	
A88-ES		RNS4M02	RNSHM02	52856-07	כרפס	BAEB	8-DEC-8	13-DEC-96 <	_	
A88-ES		RNSLPLO1	RNSW-101	52856-05	CL609	BAEB	03-060-96	•	_	
ABB-E S		RNS4/SB02	RNS4SB02	52680-01	CLEET	BAEA	19-NOV-96	27-NOV-96 <	_	
ABB-ES		RNSWSB01	RNS4SB01	52680-03	CL6ET	BAEA	18-NOV-96	27-NOV-96 <	5 5	
A88-ES		RNS4SS01	RNSWSS01	52680-02	CL6ET	BAEA	19-NOV-96		_	
ABB-ES		RNSLML02	RNS4402	52856-07	CLEET		94-DEC-98	13-DEC-96 <	_	
ABB-ES		RNSLM101	RNSLAND1	52856-05	CLEET		03-DEC-96	13-DEC-96 <	ර කු	
ABB-ES		RNS4SB02	RNSWSB02	52680-01	DBAHA	BAEA	19-NOV-96	27-NOV-96 <		
ABB-ES		RNS4/SB01	RNSWSB01	52680-03			18-NOV-96	27-HOV-96 <		
ABB-ES		RNS4SS01	RNSWSS01	52680-02			19-NOV-96	27-NOV-96 <		
A88 -ES		RNS4M02	RNSIPPROS	52856-07			04-DEC-96	13-DEC-96 <		
ABB-ES		RNSLPE-101	RNS111101	52856-05			03-DEC-96	13-DEC-96 <		
ABB-ES		RNSWSB02	RNS4SB02	52680-01			19-NOV-96	27-NOV-96 ×		
A88-ES		RNSWSB01	RNSWSB01	52680-03		BAEA	18-NOV-96		5 50	
A88 -ES		RNSUSSO1	RNS4SS01	52680-02	DBZFUR	BAEA	19-NOV-96	27-NOV-96 ×		
AB 8-ES		RNSI-MO2	RNSIMMO2	52856-07		BAEB	04-DEC-98			
ABB -ES		RNSLPELO1	RNSIMIO1	52856-05		BAEB	03-DEC-96			
ABB-ES		RNS4SS01	RNSWSS01	52680-02	DEP	BAEA	19-NON-96	27-NOV-96 ×		
VBB-E S		RNS4SB01	RNSWSB01	52680-03	DEP	BES	18-NOV-96	27-NOV-96 ×		
ABB-ES		RNS4SB02	RNS4SB02	52680-01	DEP	BAEA	19-NON-96	•		
A88-E S		RNSI-MO2	RNSIPPROS	52856-07	DEP	BAEB	04-DEC-96	13-DEC-96 <	10 UG	
ABB-ES		RNSI-MIO1	RNS4F401	52856-05	DEP	BAEB	03-DEC-96	4		
A88 -ES		RNS4SS01	RNSWSS01	52680-02	_	BAEA	19-NOV-96	27-MOV-		
ABB-ES		RNS4SB02	RNS4SB02	52680-01	d	BAEA	19-NON-96		_	
ABB-ES		RNS4SB01	RNSWS801	52680-03		BAEA	18-NOV-96	~		
ABB-ES		RNSI-MU02	RNS4M02	52856-07	<u>a</u>	BAEB	04-DEC-96		_	
VBB-ES		RNSI-FLO1	RNSW-MO1	52856-05		BAEB	03-DEC-96	13-DEC-96 <		
ABB-ES		RNS4SB01	RNSWS801	52680-03	DMBP	BAEA	18-NOV-96	27-NOV-96 <	_	
ABB-ES		RNS4SB02	RNS#SB02	52680-01	DMBP	BAEA	19-NOV-96	27-NOV-96 <	10 UGL	

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Contractor Method Description	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date	v .	Value Uni	Unit
ABB-ES ABB-ES	SMV1	RNSWSS01	RNSWSS01 RNSWMW02	52680-02 52856-07	DNBP	BAEA	19-NOV-96 04-DEC-96	27-NOV-96	· • •	10 UG	ـ ـ ـ
ABB-ES		RNSHMW01	RNSI-MM01	52856-05	DNBP	BAEB	03-DEC-96		· •	_	
ABB-ES		RNSWSB01	RNSWSB01	52680-03	DNOP		18-NOV-96		v	100	
ABB-ES		RNSWSS01	RNSWSS01	52680-02	DNOP		19-NOV-96	27-NOV-96	v	10 UGL	
ABB-ES		RNSWSB02	RNSWSB02	52680-01	DNOP		19-NOV-96	27-NOV-96	v	_	
ABB-ES		RNSIMM02	RNSWM02	52856-07	DNOP		04-DEC-96	13-DEC-96	v	10 UGL	_
ABB-ES		RNSWM01	RNSMM01	52856-05	DNOP		03-DEC-96	13-DEC-96	v	_	_
ABB-ES		RNSWSB01	RNSWSB01	52680-03	FANT		18-NOV-96	27-NOV-96	v	_	
ABB-ES		RNSWSS01	RNSMSS01	52680-02	FANT	BAEA	19-NOV-96	27-NOV-96	v	_	_
ABB-ES		RNSWSB02	RNSWSB02	52680-01	FANT		19-NOV-96	27-NOV-96	v	_	
3-ES		RNSIMM02	RNSWM02	52856-07	FANT		04-DEC-96	13-DEC-96	v	_	_
ABB-ES		RNSWMW01	RNSWM01	52856-05	FANT		03-DEC-96	13-DEC-96	v	_	_
ABB-ES		RNSWSB01	RNSWSB01	52680-03	FLRENE		18-NOV-96	27-NOV-96	v		
ABB-ES		RNSWSS01	RNSWSS01	52680-02	FLRENE	BAEA	19-NOV-96	27-NOV-96	v		
ABB-ES		RNSWSB02	RNSWSB02	52680-01	FLRENE	BAEA	19-NOV-96	27-NDV-96	v		_
ABB-ES		RNSWM02	RNSWM02	52856-07	FLRENE		04-DEC-96	13-DEC-96	v		_
ABB-ES		RNSMM01	RNSWM01	52856-05	FLRENE	BAEB	03-DEC-96	13-DEC-96	v	10 UGL	_
-ES		RNSWSB01	RNSWSB01	52680-03	HCBD		18-NOV-96	27-NOV-96	v		_
ABB-ES		RNSWSB02	RNSWSB02	52680-01	HCBO		19-NOV-96	27-NOV-96	v		_
ABB-ES		RNSWSS01	RNSWSS01	52680-02	HCBD	BAEA	19-NOV-96	27-NOV-96	v		_
ABB-ES		RNSMM02	RNSWM02	52856-07	HCBD		04-DEC-96	13-DEC-96	v		_
ABB-ES		RNSWW01	RNSWM01	52856-05	HCBD		03-DEC-96	13-DEC-96	v		_
ABB-ES		RNSWSB01	RNSWSB01	52680-03	ICDPYR	BAEA	18-NOV-96	27-NOV-96	v		_
ABB-ES		RNSMSS01	RNSWSS01	52680-02	ICDPYR	BAEA	19-NOV-96	27-NOV-96	v		_
ABB-ES		RNSWSB02	RNSWSB02	52680-01	ICDPYR		19-NOV-96	27-NOV-96	v		_
-ES		RNSMM02	RNSWM02	52856-07	ICDPYR	BAEB	04-DEC-96	13-DEC-96	v		_
ABB-ES		RNSMM01	RNSMM01	52856-05	ICDPYR		03-DEC-96	13-DEC-96	~		
ABB-ES		RNSWSB01	RNSWSB01	52680-03	1 SOPHR		18-NOV-96	27-NOV-96	~		
-ES		RNSWSS01	RNSWSS01	52680-02	1 SOPHR	BAEA	19-NOV-96	27-NOV-96	v		_
ABB-ES		RNSWSB02	RNSWSB02	52680-01	ISOPHR		19-NOV-96	27-NOV-96	•		
ABB-ES		RNSWM02	RNSWM02	52856-07	ISOPHR		04-DEC-96		v		1 1
ABB-ES		RNSMM101	RNSWW01	52856-05	ISOPHR	_	03-DEC-96		v		
ABB-ES		RNSWSB01	RNSWSB01	52680-03	NAP	BAEA	18-NOV-96		v		
ABB-ES		RNSWSS01	RNSWSS01	52680-02	NAP	BAEA	19-NOV-96		v		
ABB-ES		RNSWSB02	RNSWSB02	52680-01	NAP	BAEA	19-NOV-96	w	~		
ABB-ES		RNSWM02	RNSWM02	52856-07	NAP	BAEB	04-DEC-96	•	~	_	
ABB-ES		RNSMMEDI	RNSWWOJ	52856-05	NAP	BAEB	03-DEC-96	13-DEC-96	v	10 UG	

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RNSASBO1 R RNSASBO2 R RNSASBO1 R	Contractor Method Description	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Sample Number	Leb Number	Test Name	Lot	Sample Date	Analysis Date	•	Value	E E
RISSASSOZ RINSASSOZ 52860-03 NBOJAPA BALE 19-MOY-96 27-MOY-96 (1) ORGANIZACIO RINSASSOZ 52860-03 NBOJAPA BALE 19-MOY-96 27-MOY-96 (1) ORGANIZACIO RINSASSOZ 52860-03 NBOJAPA BALE 19-MOY-96 27-MOY-96 (1) ORGANIZACIO RINSASSOZ 62860-03 NBOJAPA BALE 19-MOY-96 27-MOY-96 (1) ORGANIZACIO RINSASSOZ 6280-03 NBOJAPA 63-MOY-96 (2) ORGANIZACIO RINSASSOZ 6280-03 NBOJAPA 63-MOY-96 (2) ORGANIZACIO RINSASSOZ 6280-03 NBOJAPA 63-MOY-96 (2) ORGANI	ABB-ES	SHV1	RNS4SB01	RNSWSB01	52680-03	9	BAEA	18-NOV-96	27-NOV-96		<u></u> 2	់ ថ្ម
RISSARADI RISSARADI 52856-07 NB BARE 04-0EC-96 73-007-96	A66-E5		RNSWSB02	RNSWSB02	52680-01	9	BAEA	19-NON-96	27-NOV-96	~	9	럭
RISSAMO RISSAMO 22556-07 N	ABB-ES		RNSINS 201	RNSWSS01	52680-02	¥	BAEA	19-NOV-96	27-NOV-96	~	2	g
RISSARGO RISSARGO SEASO-OS HIS BALEA 19-MOY-65 (27-MOY-96 C-10)	ABB-ES		RNS4402	RNSLP402	52856-07	9	BAEB	8-DEC-80	13-DEC-96	~		렫
RISSASOT RISSASOT 52660-07 MIDNPA BLEA 19-MOY-96 27-MOY-96 (19-MOY-96 27	ABB-ES		RNSIMMO1	RNSI-PILO1	52856-05	9	BAEB	03-DEC-9	13-DEC-96	•		2
RISANSOI RISASSOI 52680-07 NIDHYA BAEA 19-NOV-66 27-NOV-66	ABB-ES		RNS4SB01	RNSWSB01	52680-03	-	BAEA	18-NOV-96	27-MOV-96			2
RISSABBLO RISSARBO SZ660-01 NIDDRA BAEB OVEC-96, 13-DEC-96 (10 RISSARA)02 RISSARA,02 S2860-01 NIDDRA BAEB OVEC-96, 13-DEC-96 (11 DEC-96 (11 DEC-96 (13 DEC-96)) RISSARA,03 RISSABO SZ660-02 NIDDRA BAEB OVEC-96, 13-DEC-96 (11 DEC-96 (13 DEC-96)) RISSARA,03 RISSABO SZ660-03 NIDDRA BAEB OVEC-96, 13-DEC-96 (11 DEC-96 (13 DEC-96)) RISSARA,03 RISSABO SZ660-03 NIDDRA BAEB OVEC-96, 13-DEC-96 (11 DEC-96 (13 DEC-96)) RISSARA,03 RISSABO SZ660-03 NIDDRA BAEB OVEC-96, 13-DEC-96 (11 DEC-96 (13 DEC-96)) RISSARA,03 RISSABO SZ660-03 NIDDRA BAEB OVEC-96, 13-DEC-96 (11 DEC-96 (13 DEC-96)) RISSARA,03 RISSABO SZ660-03 PAWAR BAEB OVEC-96, 13-DEC-96 (11 DEC-96 (13 DEC-96)) RISSARA,03 RISSABO SZ660-03 PAWAR BAEB OVEC-96, 13-DEC-96 (11 DEC-96 (13 DEC-96)) RISSARA,03 RISSABO SZ660-03 PAWAR BAEB OVEC-96, 13-DEC-96 (11 DEC-96 (13 DEC-96)) RISSARA,03 RISSABO SZ660-03 PAWAR BAEB OVEC-96, 13-DEC-96 (11 DEC-96) RISSARA,03 RISSABO SZ660-03 PAWAR BAEB OVEC-96, 13-DEC-96 (11 DEC-96 (13 DEC-96)) RISSARA,03 RISSABO SZ660-03 PAWAR BAEB OVEC-96, 13-DEC-96 (11 DEC-96 (13 DEC-96)) RISSARA,03 RISSABO SZ660-03 PAWAR BAEB OVEC-96, 13-DEC-96 (11 DEC-96 (13 DEC-96)) RISSARA,03 RISSABO SZ660-03 PAWAR BAEB OS-DEC-96, 13-DEC-96 (11 DEC-96 (13 DEC-96)) RISSARA,03 RISSABO SZ660-03 PAWAR BAEB OS-DEC-96, 13-DEC-96 (11 DEC-96 (13 DEC-96)) RISSARA,03 RISSABO SZ660-03 PAWAR BAEB OS-DEC-96, 13-DEC-96 (11 DEC-96 (13 DEC-96)) RISSARA,03 RISSABA,03 RISSABO SZ660-03 PAWAR BAEB OS-DEC-96, 13-DEC-96 (11 DEC-96 (13 DEC-96)) RISSARA,03 RISSABA,03 RISSABO SZ660-03 PAWAR BAEB OS-DEC-96, 13-DEC-96 (11 DEC-96 (13 DEC-96)) RISSARA,03 RISSABA,03 RISSABO SZ660-03 PAWAR BAEB OS-DEC-96, 13-DEC-96 (11 DEC-96 (13 DEC-96)) RISSARA,03 RISSABA,03 RISSABO SZ660-03 PAWAR BAEB OS-DEC-96, 13-DEC-96 (11 DEC-96) RISSARA,03 RISSABA,03 RISSABO SZ660-03 PAWAR BAEB OS-DEC-96, 13-DEC-96 (11 DEC-96) RISSARA,03 RISSABA,03 RISSABA,03 RISSABO SZ660-03 PAWAR BAEB OS-DEC-96, 13-DEC-96 (11 DEC-96) RISSABA,03 RISSABA,03 RISSABO SZ660-03 PAWAR BAEB OS-DEC-96, 13-DEC-96 (11 DEC-96) RISSABA,03 RISSABA,03 RISSABA	A88-ES		RNS4SS01	RNS4SS01	52680-02	_	BAEA	19-VON-91				2 2
RISSAMOT RISSAMOT S2856-07 NIDNPA BAEB 04-DEC-96 13-DEC-96 10 NIDNPA BAEB 03-DEC-96 13-DEC-96 10 NIDNPA BAEB 04-DEC-96 13-DEC-96 11 NIDNPA BAEB 03-DEC-96 13-DEC-96 13	ABB-ES		RNS4SB02	RNSWS802	52680-01	-	PAFA	10-IIV-91	22-62	, ,		į
RISAMANO RISAMANO S2856-05 NINDRA BAEA 19-000-96 27-NOV-96 10 NINSASSO 18-000-00 NINDRA BAEA 19-000-96 27-NOV-96 10 NINSASSO RISAMANO R	ABB-ES		RNSLP402	RNS4402	52856-07	_	PAER I	04-PFC-90	13-PEC-8			
RISASSO I RISASSO I SCAGO-13 NINDYA BLEA 19-NOV-96 27-NOV-96 (10 NISASSO I RISASSO I SCAGO-10 NINDYA BLEA 19-NOV-96 27-NOV-96 (10 NISASSO I RISASSO I RISASSO I SCAGO-10 NINDYA BLEA 19-NOV-96 27-NOV-96 (10 NISASSO I RISASSO I RISASSO I SCAGO-10 NINDYA BLEA 19-NOV-96 27-NOV-96 (10 NISASSO I RISASSO I RISASS	ABB-ES		RNSI-MO1	RNSLAMO1	52856-05		BAFB	03-DEC-96	13-0FC-8			į <u>.</u>
RISSASO1 RISSASO1 52680-02 MIDPA BAEA 19-NOV-96 27-NOV-96 C TIMESASO2 RISSASO2 RISSASO1 RISSASO2 SEGNOTION BAEA 19-NOV-96 27-NOV-96 C TIMESASO2 RISSASO1 RISSASO1 SEGNOTION BAEA 19-NOV-96 27-NOV-96 C TIMESASO1 RISSASO1 RISSASO1 SEGNOTION BAEA 18-NOV-96 27-NOV-96 C TIMESASO1 RISSASO1 RISSASO1 SEGNOTION BAEA 18-NOV-96 27-NOV-96 C TIMESASO1 RISSASO1 RISSASO1 SEGNOTION BAEA 19-NOV-96 Z7-NOV-96 C TIMESASO1 RISSASO1 SEGNOTION RISSASO1 SEGNOTION BAEA 19-NOV-96 Z7-NOV-96 C TIMESASO1 RISSASO1 SEGNOTION	ABB -ES		RNSWSB01	RNS4SB01	52680-03		BAEA	18-MOV-96		, ,		₹ 3
RNSAKBOZ RNSAKBOZ SZ660-01 NNDPA BAEA 19-NOV-96 27-NOV-96 RNSAKBOZ RNSAKHOZ RNSAKBOZ RNSAKHOZ RNSAKBOZ RNSAKB	ABB-E S		RNSWSS01	RNS4SS01	52680-02	-	REA	10-10-01		, ,		턴 G
RISSAMAO	ABB-ES		RNS4SB02	RNSWSB02	52680-01	_	RAFA	10-IIIV-0		, ,		4 5
RISSARAOT RISSARAOT S2886-05 NINDPA BAEB 03-DEC-96 13-DEC-96	A88-ES		RNSLAND2	RNSI-MO2	52856-07		BAEB	04-DEC-90	13-0-6-8	, ,		į 3
RISSASSO RNSKSSO 52680-02 PCP BAEA 18-NOV-96 27-NOV-96 RNSKSSO RNSKSSO 52680-02 PCP BAEA 19-NOV-96 27-NOV-96 RNSKSSO RNSKSSO 52680-02 PCP BAEB 04-DEC-96 13-DEC-96 RNSKSSO RNSKSSO 52680-03 PCP BAEB 04-DEC-96 13-DEC-96 RNSKSSO RNSKSSO 52680-03 PMATTR BAEA 18-NOV-96 27-NOV-96 RNSKSSO RNSKSSO 52680-03 PMATTR BAEA 18-NOV-96 27-NOV-96 RNSKSSO RNSKSSO 52680-03 PMATTR BAEA 19-NOV-96 27-NOV-96 RNSKSSO RNSKSSO 52680-03 PMENOL BAEA 19-NOV-96 27-NOV-96 RNSKSSO 8NSKSSO 52680-03 PMENOL BAEA 19-NOV-96 27-NOV-96 RNSKSNO 52680-03 PMENOL 52680-03	A88-ES		RNS.F.O.1	RNSI-PA-01	52856-05		RAFE	03-050-80	13-05-98	, ,		į <u>.</u>
RNSHRSO1 RNSHRSO1 52680-07 PCP BAEA 19-WO-96 27-WO-96 RNSHRAD2 RNS	A88-ES		RNS4SB01	RNS4SB01	52680-03			18-MOV-92	27-IEV-92	, ,		į <u>.</u>
RISAMANO RISAMANO 52260-01 PCP BAER 19-WOV-96 27-WOV-96 25-WOV-96	ABB-ES		RNSUSS01	RNSUSS01	52680-02			19-NOV-95	22-12			₹ 2
RNSJAMAOZ RNSJAMAOZ 52856-07 PCP BAEB 04-DEC-96 13-DEC-96 C SPENSIANO SPENO	A88-ES		RNS4SB02	RNSWS802	52680-01			19-NOV-96	27-NOV-96			2
RNSARMO1 RNSARMO1 52856-05 PCP BAEB 03-DEC-96 13-DEC-96	ABB-ES		RNS4MJ02	RNS4M02	52856-07			94-DEC-98	13-DEC-96			겉
RNSASBO1 RNSASBO1 52680-03 PHANTR BAEA 19-NOV-96 27-NOV-96 < 10 RNSASBO2 RNSASBO2 52680-01 PHANTR BAEA 19-NOV-96 27-NOV-96 < 10 RNSASSO1 RNSASSO1 52680-02 PHANTR BAEB 04-DEC-96 17-DEC-96	ABB-ES		RNSI-MO1	RNSLP401	52856-05			03-DEC-96	13-DEC-96			<u> </u>
RNSASSO1 RNSASSO2 52680-01 PHANTR BAEA 19-NOV-96 27-NOV-96 (ABB-ES		RNS4SB01	RNS4SB01	52680-03			18-NOV-96	27-NOV-96			2
RNSMSSO1 RNSMSSO1 52680-02 PHANTR BAEA 19-NOV-96 27-NOV-96 10	ABB-ES		RNS4SB02	RNS4SB02	52680-01			19-NOV-96	27-NOV-96	•		2
RNSJAMJO2 RNSJAMJO2 52856-07 PHANTR BAEB 04-DEC-96 13-DEC-96 1	ABB-ES		RNS4SS01	RNS4SS01	52680-02			19-NON-96	27-HOV-98			₹ 2
RNSARMO1 RNSARMO1 52856-05 PHANTR BAEB 03-DEC-96 13-DEC-96 1	ABB-ES		RNSI-MO2	RNSLP402	52856-07			04-DEC-96	13-DEC-96			Į <u>c</u>
RNSASSO1 RNSASSO1 52680-03 PHENOL BAEA 18-NOV-96 27-NOV-96 (10 RNSASSO1 RNSASSO1 52680-02 PHENOL BAEA 19-NOV-96 27-NOV-96 (10 RNSASSO1 RNSASSO1 52680-01 PHENOL BAEA 19-NOV-96 27-NOV-96 (10 RNSASSO1 RNSASSO1 52856-07 PHENOL BAEB 03-DEC-96 (11 RNSASSO1 RNSASSO1 52856-07 PHENOL BAEB 03-DEC-96 (11 RNSASSO1 RNSASSO1 52856-07 PHENOL BAEB 03-DEC-96 (11 RNSASSO1 RNSASSO1 52856-07 PYR BAEA 19-NOV-96 27-NOV-96 (11 RNSASSO1 RNSASSO2 52856-07 PYR BAEA 19-NOV-96 27-NOV-96 (11 RNSASSO2 RNSASSO2 52856-07 PYR BAEA 19-NOV-96 27-NOV-96 (11 RNSASSO1 RNSASSO1 52856-07 PYR BAEB 03-DEC-96 (11 RNSASSO1 RNSASSO1 52856-07 PYR BAEB 03-DEC-96 (11 RNSASSO1 RNSASSO1 52856-07 PYR BAEB 03-DEC-96 (11 RNSASSO1 RNSASSO1 52856-07 WRS BAEB 03-DEC-96 (13-DEC-96 (1	ABB-ES		RKSLP4401	RNSLML01	52856-05	_		03-DEC-96	13-DEC-96	_		겉
RNSASSO1 RNSASSO1 52680-02 PHENOL BAEA 19-NOV-96 27-NOV-96 (10 PHENOL RNSASSO2 RNSASSO2 52680-01 PHENOL BAEA 19-NOV-96 27-NOV-96 (10 PHENOL RNSASSO2 RNSASSO2 52856-07 PHENOL BAEB 04-DCC-96 (11 PHENOL RNSASSO3 RNSASSO3 52856-03 PHENOL BAEB 04-DCC-96 (11 PHENOL RNSASSO3 RNSASSO3 52680-03 PYR BAEA 19-NOV-96 27-NOV-96 (10 PHENOL RNSASSO3 RNSASSO3 52680-03 PYR BAEA 19-NOV-96 27-NOV-96 (10 PHENOL RNSASSO3 RNSASSO3 52680-03 PYR BAEA 19-NOV-96 27-NOV-96 (10 PHENOL RNSASSO3 RNSASSO3 52680-03 PYR BAEB 04-DCC-96 (13-DCC-96 (10 PHENOL RNSASNA)) RNSASNAO3 52856-07 PYR BAEB 03-DCC-96 (13-DCC-96 (10 PHENOL RNSASNAO3 52856-07 PYR BAEB 03-DCC-96 (13-DCC-96 (10 PHENOL RNSANAO3 RNSANAO3 RNSANAO3 SASSO3 RNSASNAO3 52856-07 UNICSAS BAEB 03-DCC-96 (13-DCC-96 (1	ABB-ES		RNS#SB01	RNSWSB01	52680-03			18-NOV-96	27-NOV-96	~		đ
RISAMAN2 RISAMAN2 RISAMAN2 RISAMAN2 RISAMAN2 RISAMAN2 RISAMAN2 RISAMAN2 RISAMAN3	ABB-ES		RNS4SS01	RNSUSS01	52680-02			19-NOV-96	27-NOV-96	_		Z
RNSJAMJOZ RNSJAMJOZ 52856-07 PNENOL BAEB 04-DEC-96 13-DEC-96 (13-DEC-96 (13-D	768 -ES		RNS4SB02	RNS4SB02	52680-01			19-NOV-96	27-MOV-96			2
RNSARAU1 RNSARAU1 52856-05 PIENOL BAEB 03-DEC-96 13-DEC-96 RNSARAU2 RNSARAU1 52856-05 PYR BAEA 19-NCV-96 27-NCV-96 10 RNSARAU2 RNSARAU2 RNSARAU1 52856-07 PYR BAEA 19-NCV-96 27-NCV-96 10 RNSARAU1 RNSARAU1 52856-07 PYR BAEB 04-DEC-96 13-DEC-96 10 RNSARAU1 RNSARAU1 52856-07 PYR BAEB 03-DEC-96 110 RNSARAU1 RNSARAU1 52856-05 PYR BAEB 03-DEC-96 110 RNSARAU1 RNSARAU1 52856-07 PYR BAEB 03-DEC-96 13-DEC-96 110 RNSARAU1 RNSARAU1 52856-07 PYR BAEB 03-DEC-96 13-DEC-96 10 RNSARAU1 RNSARAU1 52856-07 UNICS3 BAEB 03-DEC-96 13-DEC-96 10 RNSARAU1 RNSARAU1 52856-07 UNICS3 BAEB 03-DEC-96 13-DEC-96 1	788-E S		RNSIMMO2	RNSIAMO2	52856-07			96-DEC-90	13-DEC-96		_	2
RNSASSO1 RNSASSO1 52680-03 PYR BAEA 18-NOV-96 27-NOV-96 10 10 10 10 10 10 10 10 10 10 10 10 10	A88-ES		RNS4401	RNSI-MO1	52856-05			03-DEC-96	13-DEC-96		_	2
RNSASSO1 RNSASSO1 52680-02 PYR BAEA 19-NOV-96 27-NOV-96 7-NOV-96 7	VBB-E S		RNS4SB01	RNS4SB01	52680-03			18-NOV-8	27-MOV-05		_	2 2
RNSJARJOZ RNSJASBOZ 52680-01 PYR BAEA 19-NOV-96 27-NOV-96 7-10 RNSJARJOZ RNSJARJOZ 52856-07 PYR BAEB 04-DEC-96 13-DEC-96 10 RNSJARJOZ RNSJARJOZ 52856-05 PYR BAEB 03-DEC-96 13-DEC-96 10 RNSJARJOZ 52856-05 UNIC37 BAEB 03-DEC-96 13-DEC-96 2 RNSJARJOZ 52856-07 UNIC563 BAEB 04-DEC-96 13-DEC-96 2 RNSJARJOZ 82856-07 UNIC563 BAEB 04-DEC-96 13-DEC-96 2 RNSJARJOZ 82856-07 UNIC563 BAEB 04-DEC-96 13-DEC-96 2 1 RNSJARJOZ 82856-05 UNIC563 BAEB 04-DEC-96 13-DEC-96 2 1 RNSJARJOZ 82856-05 UNIC563 BAEB 03-DEC-96 13-DEC-96 2 1 RNSJARJOZ 82856-05 UNIC563 RNS	ABB-ES		RNS4SS01	RNS4SS01	52680-02	_		19-NOV-95	27-MOV-95			2
RNSJARJOZ RNSJARJOZ 52856-07 PYR BAEB 04-DEC-96 13-DEC-96 10 RNSJARJO1 RNSJARJO1 52856-05 PYR BAEB 03-DEC-96 13-DEC-96 10 RNSJARJO1 RNSJARJO1 52856-07 UNICSGS BAEB 03-DEC-96 13-DEC-96 2 RNSJARJO1 RNSJARJO1 52856-07 UNICSGS BAEB 04-DEC-96 13-DEC-96 3 RNSJARJO1 RNSJARJO1 52856-05 UNICSGS BAEB 04-DEC-96 13-DEC-96 3 RNSJARJO1 RNSJARJO1 52856-05 UNICSGS BAEB 03-DEC-96 13-DEC-96 2 RNSJARJO1 RNSJARJO1 52856-05 UNICSGS BAEB 03-DEC-96 13-DEC-96 2 RNSJARJO1 52856-05 UNICSGS BAEB 03-DEC	ABB-ES		RNS4SB02	RNS4SB02	52680-01			19-NOV-91	27-MOV-96			2
RNSJARJO1 RNSJARJO1 52856-05 PYR BAEB 03-DEC-96 13-DEC-96 (18-DEC-96 18-DEC-96 18-DEC-	VBB-ES		RNSIMMO2	RNSIMMO2	52856-07			94-DEC-90	13-DEC-96		_	2
RNSJANJO1 RNSJANJO1 52856-05 UNK537 BAEB 03-DEC-96 13-DEC-96 2 RNSJANJO2 RNSJANJO2 52856-07 UNK563 BAEB 04-DEC-96 13-DEC-96 3 RNSJANJO1 RNSJANJO1 52856-05 UNK563 BAEB 03-DEC-96 13-DEC-96 2 2	AB8-E S		RNSLPLO1	RNSLALO1	52856-05	PYR		03-DEC-96			_	2
RNSJARJO2 RNSJARJO2 52856-07 UNKS63 BAEB 04-DEC-96 13-DEC-96 3 RNSJARJO1 RNSJARJO1 52856-05 UNKS63 BAEB 03-DEC-96 13-DEC-96 2 2	ABB-ES		RNS44401	RNSLAND1	52856-05	UNK537		03-050-98		,	_	į <u>.</u>
RNSMANOT RNSMANOT 52856-05 UNICSGS BARB 03-0EC-96 13-DEC-96	A88 -ES		RNSLML02	RNSIMMO2	52856-07	UNKS63		8-05-8			, _~	į <u>.</u>
	V88-E S		RNSLALOT	RNSLALO1	52856-05	UNIKS63		03-DEC-96				1 2

Table: Appendix K

RINSE BLANKS

Contractor Method Description	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date <	Value Unit
ABB-ES	SMV1	RNSWSB01	RNSWSB01	52680-03	UNK583	BAEA	18-NOV-96	27-NOV-96	
ABB-ES		RNSWSS01	RNSWSS01	52680-02		•	19-NON-96	27-NOV-96	20 UGL
ABB-ES		RNSWM02	RNSWM02	52856-07			04-DEC-96	13-DEC-96	_
ABB-ES		RNSMMOT	RNSWMOJ	52856-05				13-DEC-96	
ABB-ES		RNSWSB02	RNSWSB02	52680-01		BAEA 1	19-NOV-96	27-NOV-96	
ABB-ES		RNSWW01	RNSWM01	52856-05	UNK590		03-DEC-96	13-DEC-96	
ABB-ES		RNSWM02	RNSWM02	52856-07	UNK591			13-DEC-96	3 UGF
ABB-ES		RNSWSS01	RNSWSS01	52680-02	UNK595		19-NOV-96	27-NOV-96	
ABB-ES		RNSWSB01	RNSWSB01	52680-03	UNK595	-	18-NOV-96	27-NOV-96	
ABB-ES		RNSWSB02	RNSWSB02	52680-01	UNK595		19-NOV-96	27-NOV-96	
ABB-ES		KNSMMOZ	KNSMMOZ	22856-07	UNKSAS	_	04-DEC-96	13-DEC-96	
ABB-ES		RNSWWOJ	RNSWWOO	52856-05	UNK595	_	03-DEC-96	13-DEC-96	3 OG
ABB-ES		RNSWSBUZ	RNSWSB02	52680-01	UNK646	•	96-NON-61	27-NOV-96	
ABB-ES		RNSWSB02	RNSWSB02	52680-01	UNK651		19-NOV-96	27-NOV-96	
ABB-ES		RNSWSB02	RNSWSB02	52680-01	UNK657	-	19-NOV-96	27-NOV-96	3 UGL
ABB-ES		RNSWSB02	RNSWSB02	52680-01	UNK665	BAEA 1	19-NOV-96	27-NOV-96	_
ABB-ES	VMS1	RNSWM01	RNSUMU01	52856-05	111TCF	VAFX	13-DEC-94	14-DEC-06 <	-
ABB-ES		RNSWM02	RNSWMW02	52856-07	111TCE		14-DEC-96		, e
ABB-ES		RNSMM01	RNSWM01	52856-05	112TCE		03-DEC-96	٠.	1 100
ABB-ES		RNSWM02	RNSWM02	52856-07	112TCE		14-DEC-96	•	1 UGL
ABB-ES		RNSWM01	RNSWM01	52856-05	11bce		03-DEC-96		1 100
ABB-ES		RNSWM02	RNSWM02	52856-07	110CE	_	04-DEC-96	14-DEC-96 <	1 UGF
ABB-ES		RNSWM01	RNSMM01	52856-05	110cle	_	03-DEC-96	14-DEC-96 <	1 ගි
ABB-ES		RNSMM02	RNSMM02	52856-07	11DCLE	_	04-DEC-96	14-DEC-96 <	1 1 1 1
ABB-ES		RNSWM01	RNSWMW01	52856-05	120CE	_	03-DEC-96	14-DEC-96 <	1 UGL
ABB-ES		RNSWM02	RNSWM02	52856-07	120CE	_	04-DEC-96	14-DEC-96 <	1 UG.
ABB-ES		RNSWM02	RNSWM02	52856-07	12DCLB	_	04-DEC-96	14-DEC-96	1.3 UGL
ABB-ES		RNSWM01	RNSMM01	52856-05	12DCLE		03-DEC-96	14-DEC-96 <	1 UG
ABB-ES	٠	RNSWM02	RNSWM02	52856-07	12DCLE	_	04-DEC-96	14-DEC-96 <	1 UGL
ABB-ES		RNS4MW01	RNSWMW01	52856-05	120CLP		03-DEC-96	14-DEC-96 <	1 UGL
ABB-ES		RNSWM02	RNSWM02	52856-07	12DCLP	_	34-DEC-96	14-DEC-96 <	1 VGL
ABB-ES		RNSIMM01	RNSWMW01	52856-05	13DCLB	_	03-DEC-96	14-DEC-96	2.2 UGL
ABB-ES		RNSHMW01	RNSWM/01		ACET	_	03-DEC-96	14-DEC-96 <	S UGL
ABB-ES		RNSWM02	RNSHMM02		ACET	_	04-DEC-96	14-DEC-96 <	5 UGL
ABB-ES		RNSHMW01	RNSWM01	52856-05	BRDCLM	_	03-DEC-96	14-DEC-96 <	1 UGL
ABB-ES		RNSWM02	RNSWM02	52856-07	BRDCLM	_	04-DEC-96	14-DEC-96 <	- 면
ABB-ES		RNSWM01	RNSWM01	52856-05	C13DCP	_	03-DEC-96	14-DEC-96 <	1 UGL

RINSE BLANKS

NBB-ES	Method Code	IRDMIS Site ID	Sample	Leb Number	Test Name	ğ	Sample Date	Analysis Date <	Value Unit
	VMS1	RNSIMM02	RNSI-MO2	52856-07			04-DEC-96	14-DEC-96 <	JUG
ABB-E S		RNSLPL01	RNSIMMO1	52856-05			03-DEC-96	~	_ ਹਰ
ABB-ES		RNS4402	RNSMM02	52856-07		VAFX	04-DEC-96	14-DEC-96 <	ਤ -
AB8-ES		RNSIMIO1	RNSLP401	52856-05			03- DEC- 9 6	14-DEC-96 <	- 연
ES		RNSIM02	RNS11102	52856-07	C2H5CL		96-DEC-96	14-DEC-	- 전
AB8-ES		RNS4401	RNSLALO1	52856-05			03-DEC-96	_	- 명
ABB-ES		RNS4M02	RNSLP402	52856-07	C6 86		24-DEC-98	14-DEC-	<u>ප්</u>
AB8-ES		RNS4402	RNSLM.02	52856-07			94-DEC-96	•	<u>.</u>
NBB-E S		RNS4401	RNSLALO1	52856-05			03-DEC-96	14-DEC-	년 명
ABB-ES		RNS4402	RNSIMMO2	52856-07			24-DEC-96	•	- NG
ABB-ES		RNSIMIO1	RNSLALO1	52856-05	CH2CL2		03-DEC-96		ਰ ਹ
ES		RNS4402	RNSI-MO2	52856-07			94-DEC-98	14-DEC-96 <	교
ABB-E S		RNSLM101	RNSLP401	52856-05			03-DEC-96	14-DEC-96 <	- 100
ES		RNS4402	RNSI-MOS	52856-07	CH3CL		24-DEC-96		년 -
ABB-ES		RNSLAGLO1	RNSLALOT	52856-05	CH3CL		03-DEC-96		- -
ABB-ES		RNSIM02	RNSI-MOS	52856-07	CHBR3	VAFX	24-DEC-96	•	٠ ح
ES		RNS-FLO1	RUSHANOT	52856-05			03-DEC-96		년 -
ES		RNS-MO2	RNSI-MO2	52856-07		VAFX	8-26-8	14-DEC-96 <	- 호
ABB-ES		RNSIMIO1	RESIDENCE OF	52856-05		VAFX	03-DEC-96		න් -
ABB-E S		RNS4402	RNSI-MO2	52856-07			8-pec-8	14-DEC-96 <	ے اور
ABB-E S		RNS4M01	RNSLATIO1	52856-05		VAFX	03-DEC-96		- 명
AB8-ES		RNS4M02	RNSI-MO2	52856-07			8-28-8	•	<u>ਰ</u>
ABB -ES		RNS4ML01	RNSLALOT	52856-05			03-DEC-96	•	~ 명
S		RNS-MIOS	RNSI-MO2	52856-07		VAFX	8-DEC-8	14-DEC-	-
S		RNSHMJ01	RNSI-PLO1	52856-05			03-DEC-96	~	-
NBB-ES		RNSI-MOS	RNS44402	52856-07			8-DEC-8	14-DEC-	-
AB8 -ES		RNSI-MOT	RNSLAGIO	52856-05	_	VAFX	03-DEC-9 6	14-DEC-	- -
S		RNSIMMO2	RNSI-PLO2	52856-07		VAFX	8-DEC-80	14-DEC-	-
ABB-ES		RNSI-FLO1	RNSI-FLO1	52856-05	MECCATS	VAFX	03-DEC-96	14-DEC-	-
S		RNSIPPOS	RNSI-MO2	52856-07	¥	VAFX	94-DEC-96	14-DEC-96 <	15 UG
AB8-ES		RNSLALO1	RNSI-FLO1	52856-05	-	VAFX	03-DEC-96	14-DEC-	15 UGL
AB8-ES		RNS-PLO2	RNSI-MIO2	52856-07	_	VAFX	94-DEC-98	_	
ABB-ES		RNSI-PLO1	RNSLALO1	52856-05		VAFX	03-DEC-96	14-DEC-	5 06
ABB-ES		RNS4402	RNSIMMO2	52856-07	TENEX	VAFX	94-DEC-98	-	5 06
NBB-ES		RNS4401	RNSIMIO1	52856-05	TENEX	VAFX	03-DEC-96	14-DEC-96 <	5 50 50
NB8-ES		RNSIM102	RNSI-FLO2	52856-07	STYR	VAFX	94-DEC-98	14-DEC-96 <	٠ ا
188-ES		RNSI-MIO1	RNSI-PLO1	52856-05	STYR	WFX	03-DEC-96	-	100
A88-ES		SNS PETOS	PNSIA 02	52856-07	11300	VAFX	26-DEC-98	-	1.00

Table: Appendix K SEMIVOLATILE SURROGATES

IRDMIS Method Contractor Method Description Code MBB-ES SMV1	Test Name 	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number Lo	Sample Lot Date	Analysis Date	Spike Value		Percent Recovery
SMV1	246TBP	RNSWSS01	RNSWSS01		BAEA 19-NOV-96	6 27-NOV-96	SKI	44 UGL	58.7
SMV1	24618P	ML-03-01	KNSWSBO I		BAEA 18-NOV-9	5 27-NOV-96	ςk		90.0
:5	246TBP	MW-03-02	M030222X	52856-02 B	VEB 04-DEC-90	5 13-DEC-96	ΣK		25.0
5	246TBP	MW-08-01	M080120X		4EB 03-DEC-9	5 13-DEC-96	;K		70.7
Ξ:	246TBP	MW-09-01	M090113X		BAEB 04-DEC-9	5 13-DEC-96	ĸ		0.09
= :	246TBP	RNSWM01	RNSWW01		4EB 03-DEC-9	5 13-DEC-96	ኤ		80.0
- -	246TBP	RNSWMW0Z	RNSWM02		AEB 04-DEC-96		ይዘ		85.3
	2461BP			BAFA-BSI BA	BAEA Bafa	27-NOV-96	ςĸ		%5.7 7.72
	246TBP				BAEB	18-DEC-96	įκ	62 GE	82.7
	246TBP ********			BAEB-BS2 BA	4EB	18-DEC-96	ĸ	_	7.06
	avg minimum maximum							•	73.8 58.7 90.7
	2FBP	RNSWSB02	RNSWSB02		BAEA 19-NOV-96	\$ 27-NOV-96	20		76.0
	2FBP	RNSWSB01	RNSWSB01		BAEA 19-NOV-96 BAEA 18-NOV-96	5 27-NOV-96 5 27-NOV-96	25		0.45 0.87
	2FBP	MM-03-01	M030126X		BAEB 04-DEC-94	5 13-DEC-96	2 2 2	31 UGL	62.0
	7. E	MW-05-02	MUSUZZZX MORO120X	52856-02 BA	BAEB 04-DEC-96	5 13-DEC-96 6 13-DEC-04	00.0		52.0
	2FBP	MIN-09-01	M090113X		VER 04-0FC-9	13-DEC-96	25	7 C	o. *.
	2FBP	RNSWW01	RNSWM01		4EB 03-DEC-96	5 13-DEC-96	85		2.75
	2FBP	RNSWM02	RNSWM02	_			205		62.0
	2FBP					27-NOV-96	23		9
	2FBP				BAEA	27-NOV-96	20		58.0
	ZFBP			BAEB-BS1 BA	BAEB	18-DEC-96	20	28 UGL	26.0
	******				ą	10-050-90	OC.		\$
	avg minimum maximum								55.5 44.0 66.0
	2FP 2FP	RNSWSB02 RNSWSS01	RNSWSB02 RNSWSS01	52680-01 BA 52680-02 BA	BAEA 19-NOV-96 3	5 27-NOV-96 5 27-NOV-96	кк	50 UGL 56 UGL	66.7 74.7

SEMIVOLATILE SURROGATES

ABB ES		Name	Site 10		_	_	Date	Value	Value Unit	Recovery
ABB - ES ABB - ES	- N	ZFP	RNSWSB01	RNSWSB01	52680-03	BAEA 18-NOV-96	7-96 27-NOV-96			69.3
ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	- X	2FP	M-03-01	M030126X		BAEB CK-DEC	:-8 13-DEC-96			73.3
ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	S I	2FP	MM-03-02	M030222X	52856-02	BAEB 04-DEC	:-% 13-DEC-%			\$.0
ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	SHV1	2FP	FF -08-01	M080120X		BAEB 03-DEC	:-8 13-DEC-96			0.89
AB-ES AB-ES AB-ES AB-ES AB-ES AB-ES	N.S.	ZFP	₩-09-01	H090113X		BAEB 04-DEC	:- % 13-DEC-%			53.3
ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	N.	ZFP	RNSI-MOT	RNSLAND1		BAEB 03-DEC	:-% 13-DEC-%			69.3
AB-ES AB-ES AB-ES	200	2FP	KNSMMOZ	RNSIMMOZ		BAEB 04-DEC	:-% 13-DEC%			81.3
ABB-ES	¥ 5	250			BAEA-BS	BAEA	27-1404-38	ςĸ	\$ 3	85.5
ABB-ES	SHV1	2FP				BAEB	18-DEC-96			9
	SMV1	2FP				BAEB	18-DEC-96	ĸ		7.02
		avg minimum maximum								7.23 53.3
A88-ES	SHIV	MBDS	RNSWSB02	RNSWS802		BAEA 19-NOV-96	7-96 27-NOV-96			0.83
ABB-FS	<u> </u>	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	KNSWSS01	RNSWSSU1	52680-02	BAEA 19-NOV	7-96 27-110V-96			76.0
A88-ES	SHV1	1 802	M-03-01	M030126X			-% 13-DEC-96			88
ABB-ES	SHV1	NBD5	MJ-03-02	M030222X		BAEB 04-DEC	-% 13-DEC-%			8
A88-ES	N. S	1805	-08-01 -08-01	H080120X	52856-03	BAEB 03-DEC-96	96 13-DEC-96			76.0
ARR-FC			- CA-CA-CA-CA-CA-CA-CA-CA-CA-CA-CA-CA-CA-C	MOYOTISK Busheron		BAEB U4-DEC	-36 13-DEC-36			
A88 -ES	2	N SO S	PNSTALO2	PUSTALO		MAEB OX-DEC	. % 13-DEC-%			2.0
ABB-ES	SHV1	FBD 2				AEA ST	27-MOV-96			88
ABB-ES	SHV1	NBDS				BAEA	27-NOV-96			88.0
A88-ES A88-ES	S FEE	NBO5			BAEB-BS1 (BAEB-BS2 (BAEB)-BS2 (BAEB-BS2 (BAEB-BS2 (BAEB)-BS2 (BAE	BAEB BAEB	18-DEC-96 18-DEC-96	0. 02 0. 02	명 22 92 연단 93 연단	89 80.0
		avg minimum maximum								75.7 88.0
ABB-ES ABB-ES	SHV1	TRP014 TRP014	RNSWSB02 RNSWSS01	RNSWSB02 RNSWSS01		BAEA 19-NOV-96 BAEA 19-NOV-96	1-96 27-NOV-96 1-96 27-NOV-96			80.0
AB8-ES AB8-ES	SHV1	TRP014 TRP014	RNSWSB01 MJ-03-01	RNSWSB01 M030126X	52680-03 52856-01	BAEA 18-NOV-96 BAEB 04-DEC-96	1-96 27-NOV-96 1-96 13-DEC-96	202	를 함 당 당 당 당 당 당 당 당 당 당 당 당 당 당 당 당 당 당 당	76.0 88.0

Table: Appendix K SEMIVOLATILE SURROGATES

OLATILE SURRO

Spike Percent Value Value Unit Recovery	50 38 UGL 76.0 50 28 UGL 76.0 50 36 UGL 72.0 50 47 UGL 80.0 50 44 UGL 88.0 50 44 UGL 82.0 50 48 UGL 82.0 50 48 UGL 82.0	2.5 1.2 UGG 76.5 2.5 1.2 UGG 76.5 2.5 1.2 UGG 76.5 2.5 1.2 UGG 76.5 2.5 1.6 UGG 64.0 2.5 1.2 UGG 64.0 2.5 1.1 UGG 64.0 64.0 2.5 1.1 UGG 76.0 2
Analysis Date	27-NOV-96 27-NOV-96 27-NOV-96 18-DEC-96 18-DEC-96 18-DEC-96 18-DEC-96 18-DEC-96	26 16 16 16 16 16 16 16 16 16 16 16 16 16
Sample Lot Date	BAEB 04-DEC-96 BAEB 03-DEC-96 BAEB 03-DEC-96 BAEB 04-DEC-96 BAEB 04-DEC-96 BAEB BAEA BAEB BAEB	BSBS 19-NOV-96 BSBS 19-NOV-96
	52856-03 BW 52856-03 BW 52856-03 BW 52856-04 BW 52856-07 BW 8AEA-BS1 BW BAEB-BS1 BW BAEB-BS2 BW	52678-01 BS 52678-01 BS 52678-03 BS 52678-04 BS 52678-06 BS 52678-08 BS 52678-10 BS 52678-11 BS 52678-11 BS 52678-11 BS 52678-14 BS 52678-15 BS 52678-15 BS 68BS-8S1 BS 68BS-8S1 BS
IRDMIS Field Sample Number	M030222X M080120X M090113X RNSWM01	B080112X B080212X B080212X B090412X B090412X SLE0201X SCW0101X SCW0101X SO90201X SO90212X B090212X
IRDMIS Site ID	MA-03-02 MA-08-01 MA-09-01 RNSWMM02 RNSWMM02	SB-08-01 SB-78-00-02 SB-78-00-03 SB-78-01 SB-78-01 SS-1E-02 SS-1E-02 SS-78-01 SS-78-01 SS-78-01 SS-78-01 SS-78-01 SS-78-01
Test Name	TRPD14 TR	24618P
IRDMIS Method Code	SMV1 SMV1 SMV1 SMV1 SMV1 SMV1 SMV1	SMV2 SMV2 SMV2 SMV2 SMV2 SMV2 SMV2 SMV2
Contractor Method Description	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES

SEMIVOLATILE SURROGATES

88-PH-01 BPH0107X 52678-06 BSSS 19-NOV-96 16-DEC-96 1.7 10.05 88-PH-01 SECULIX 52678-06 BSSS 19-NOV-96 16-DEC-96 1.7 10.05 88-OP-04 BPH0107X 52678-06 BSSS 19-NOV-96 16-DEC-96 1.7 38 U.GS 88-OP-04 SECULIX 52678-06 BSSS 19-NOV-96 16-DEC-96 1.7 38 U.GS 88-OP-01 SECULIX 52678-06 BSSS 19-NOV-96 16-DEC-96 1.7 39 U.GS 88-OP-02 SCOORDIX 52678-10 BSSS 19-NOV-96 16-DEC-96 1.7 39 U.GS 88-OP-02 BPH0107X 52678-11 BSSS 19-NOV-96 16-DEC-96 1.7 39 U.GS 88-OP-02 BPH0107X 52678-11 BSSS 19-NOV-96 16-DEC-96 1.7 39 U.GS 88-OP-02 BPH011X 52678-11 BSSS 19-NOV-96 16-DEC-96 1.7 39 U.GS 88-OP-02 BPH011X 52678-12 BSSS 18-NOV-96 16-DEC-96 1.7 39 U.GS 88-OP-02 BPH011X 52678-13 BSSS 18-NOV-96 16-DEC-96 1.7 39 U.GS 88-OP-02 BPH011X 52678-13 BSSS 18-NOV-96 16-DEC-96 1.7 39 U.GS 88-OP-02 BPH011X 52678-13 BSSS 18-NOV-96 16-DEC-96 1.7 39 U.GS 88-OP-03 BPH011X 52678-13 BSSS 19-NOV-96 16-DEC-96 1.7 39 U.GS 88-OP-04 BPH011X 52678-13 BSSS 19-NOV-96 16-DEC-96 2.5 1.7 U.GS 88-OP-04 BPH011X 52678-16 BSSS 19-NOV-96 16-DEC-96 2.5 1.7 U.GS 88-OP-04 BPH011X 52678-16 BSSS 19-NOV-96 16-DEC-96 2.5 1.7 U.GS 88-OP-04 BPH011X 52678-16 BSSS 19-NOV-96 16-DEC-96 2.5 1.7 U.GS 88-OP-04 BPH011X 52678-16 BSSS 19-NOV-96 16-DEC-96 2.5 1.7 U.GS 88-OP-04 BPH011X 52678-16 BSSS 19-NOV-96 16-DEC-96 2.5 1.7 U.GS 88-OP-04 BPH011X 52678-16 BSSS 19-NOV-96 16-DEC-96 2.5 1.7 U.GS 88-OP-04 BPH011X 52678-16 BSSS 19-NOV-96 16-DEC-96 2.5 1.7 U.GS 88-OP-05 BPH011X 52678-16 BSSS 19-NOV-96 16-DEC-96 2.5 1.7 U.GS 88-OP-06 BPH011X 52678-16 BSSS 19-NOV-96 16-DEC-96 2.5 1.7 U.GS 88-OP-07 SCOORDIX 52678-16 BSSS 19-NOV-96 16-DEC-96 2.5 1.7 U.GS 88-OP-07 SCOORDIX 52678-16 BSSS 19-NOV-96 16-DEC-96 2.5 1.7 U.GS 88-OP-07 SCOORDIX 52678-16 BSSS 19-NOV-96 16-DEC-96 2.5 1.7 U.GS 88-OP-07 SCOORDIX 52678-16 BSSS 19-NOV-96 16-DEC-96 2.5 1.7 U.GS 88-OP-07 SCOORDIX 52678-16 BSSS 19-NOV-96 16-DEC-96 2.5 1.7 U.GS 88-OP-07 SCOORDIX 52678-16 BSSS 19-NOV-96 16-DEC-96 2.5 1.7 U.GS 88-OP-07 SCOORDIX 52678-16 BSSS 19-NOV-96 16-DEC-96 2.5 1.7 U.GS 88-OP-07 SCOORDIX 52678-16 BSSS 19-NO	ZFBP SS - 04-03 SEATO-05 SS S 19-NOV-96-16-EC-96 1.7 1.06 ZFBP SS - 04-03 SEAGOTIX SSAR-06-05 SS S 18-NOV-96-16-EC-96 1.7 86-06 1.7 86-06 1.7 86-06 1.7 86-06 1.7 86-06 1.7 86-06 1.7 86-06 1.7 86-06 1.7 86-06 1.7 86-06 1.7 86-06 1.7 86-06 1.7 86-06 1.7 86-06 1.7 86-06 1.7 86-06 1.7 99-06 1.8 86-06 1.7 99-06 1.8 86-06 1.8 86-06 1.7 99-06 1.7 99-06 1.8 86-06 1.7 99-06 1.8 99-06 1.8 99-06 1.7 99-06 1.8 99-06 1.8 99-06 1.7 99-06 1.8 99-06 1.8 99-06 1.8 99-06 1.8 99-06 1.8 99-06 1.8 99-06 1.8 99-06 1.8 99-06<	Contractor Method Description LAB-ES LAB-ES	IRDMIS Method Code SMV2	Test Name 2FBP 2FBP	Site 1D SB-08-02	IRDMIS Field Sample Number B080212X	Lab Number 52678-02	Lot		Analysis Date	Spike Value	Value Unit	Percent Recovery
ZERB SB-09-03 BIOXIDID \$2578-05 BIOXIDID \$2578-05 BIOXID \$2600-04 \$2578-05 BIOXID \$2600-05 \$2600-05 \$2600-05 \$2600-05 \$2600-05 \$2600-05 \$2600-05 \$2600-05 \$2600-05 \$2600-05 \$26000000000000000000000000000000000000	278P SS-09-03 B090312X S2678-05 BSSS 18-MOV-96 16-DEC-96 1-7		SMV2	2FBP	S8-PH-01	BPH0107X			8 8	16-DEC-30	·. •	99.	× × ×
278	278		SANS	2FBP	SB-09-03	B090312X			2 2	14-PEC-26	- ^		, 0 0 0 0 0 0
2FB SS-CH-01 STEOTOTY SZG78-07 BSSS 19-MOV-96 16-DEC-96 1.7 99 UGG 2FB SS-CH-01 SEATOTY SZG78-08 BSSS 19-MOV-96 18-DEC-96 1.7 99 UGG 2FB SS-CH-01 SSG78-07 BSSS 19-MOV-96 18-DEC-96 1.7 99 UGG 2FB SS-CH-01 SSG78-07 BSSS 19-MOV-96 18-DEC-96 1.7 99 UGG 2FB SS-CH-01 SSG78-17 BSSS 19-MOV-96 18-DEC-96 1.7 99 UGG 2FB SS-CH-01 SSG78-17 BSSS 19-MOV-96 18-DEC-96 1.7 99 UGG 2FB SS-CH-01 SSG78-17 BSSS 19-MOV-96 18-DEC-96 1.7 99 UGG 2FB SS-CH-01 SSG78-17 BSSS 19-MOV-96 18-DEC-96 1.7 99 UGG 2FB SS-CH-01 SSG78-17 BSSS 19-MOV-96 18-DEC-96 1.7 99 UGG 2FB SS-CH-01 SSG78-18 BSS 19-MOV-96 18-DEC-96 1.7 99 UGG 2FB SS-CH-01 SSG78-18 BSS 19-MOV-96 18-DEC-96 1.7 99 UGG 2FB SS-CH-01 SSG78-18 BSS 19-MOV-96 18-DEC-96 1.7 10 UGG 2FB SS-CH-01 SSG78-18 BSS 19-MOV-96 18-DEC-96 1.7 10 UGG 2FB SS-CH-01 SSG78-18 BSS 19-MOV-96 18-DEC-96 1.7 10 UGG 2FB SS-CH-01 SSG78-18 BSS 19-MOV-96 18-DEC-96 2.5 1.7 UGG 2FB	ZFBP SS-LE-01 SEROTORY SZAR-07 BASS 19-MOV-96 1-DEC-06 1-7 1-80 UGG ZFBP SS-CH-01 SEMOTORY SZAR-08 BSS 19-MOV-96 1-7 1-7 1-80 UGG ZFBP SS-CH-01 SEMOTORY SZAR-08 BSS 19-MOV-96 1-7 1-7 1-80 UGG ZFBP SS-CH-01 SSAR-11 BSS 19-MOV-96 1-6-DEC-96 1-7 -99 UGG ZFBP SS-CH-01 SSAR-11 BSS 19-MOV-96 1-6-DEC-96 1-7 -99 UGG ZFBP SS-CH-01 SSAR-11 BSS 19-MOV-96 1-6-DEC-96 1-7 -99 UGG ZFBP SS-CH-01 SSAR-11 BSS 19-MOV-96 1-6-DEC-96 1-7 -99 UGG ZFBP SS-CH-01 SSAR-11 BSS 19-MOV-96 1-6-DEC-96 1-7 -99 UGG ZFBP SS-CH-01 SSAR-11 BSS 19-MOV-96 1-6-DEC-96 1-7 -99 UGG ZFBP SS-CH-01<		SANS	2FBP	20-00-BS	R000412X			5	14-050-04	- •		9.0
2FB SS-LE-02 SLEGON SAGR-09 BSSS 19-MOV-96 19-DEC-96 1.7 99 UGG 2FB SS-CH-01 SCAR-10 BSSS 19-MOV-96 18-DEC-96 1.7 99 UGG 2FB SS-CH-01 SCAR-11 BSSS 19-MOV-96 18-DEC-96 1.7 99 UGG 2FB SS-CH-01 SCAR-11 BSSS 19-MOV-96 18-DEC-96 1.7 99 UGG 2FB SS-OH-01 SOMO101X SAGR-12 BSSS 19-MOV-96 18-DEC-96 1.7 99 UGG 2FB SS-OH-01 SOMO101X SAGR-13 BSSS 19-MOV-96 18-DEC-96 1.7 99 UGG 2FB SS-OH-01 BOOO11Z SAGR-14 BSSS 19-MOV-96 18-DEC-96 1.7 99 UGG 2FB SS-OH-01 BOOO11Z SAGR-15 BSSS 19-MOV-96 18-DEC-96 1.7 99 UGG 2FB SS-OH-01 BOOO11Z SAGR-16 BSSS 19-MOV-96 18-DEC-96 1.7 10 UGG 2FB SS-OH-01 BOOO1Z SAGR-16 BSSS 19-MOV-96	278B SS-1E-02 SLEGOZI(X) S2678-08 SSS 19-NOV-96 1-7 -99 UGG 278B SS-1E-02 SLEGOZI(X) S2678-09 SSS 19-NOV-96 1-6-DEC-96 1-7 -99 UGG 278B SS-04-01 SGM0101X S2678-11 SSS 19-NOV-96 18-DEC-96 1-7 -99 UGG 278B SS-09-01 SGM0101X S2678-11 SSS 19-NOV-96 18-DEC-96 1-7 -99 UGG 278B SS-09-01 SGM0101X S2678-11 SSS 19-NOV-96 18-DEC-96 1-7 -99 UGG 278B SS-09-01 BGM011X S2678-14 SSS 19-NOV-96 16-DEC-96 1-7 -99 UGG 278B SS-09-01 BGM011X S2678-14 SSS 19-NOV-96 16-DEC-96 1-7 -99 UGG 278B SS-09-01 BGM011X S2678-15 SSS 19-NOV-96 16-DEC-96 1-7 -99 UGG 278B SS-09-01 BGM011X S2678-01 SSS 19-NOV-96 <t< td=""><td></td><td>SANS</td><td>2FBp</td><td>SS-1 F-01</td><td>SI E0101X</td><td></td><td></td><td>2 2</td><td>10-DEC-30</td><td>·!</td><td></td><td>8.8 9.1</td></t<>		SANS	2FBp	SS-1 F-01	SI E0101X			2 2	10-DEC-30	·!		8.8 9.1
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2FP SB-09-01 B090112X 526.78-14 BSBS 18-MOV-96 16-DEC-96 2.5 1.5 UGG 2FP SB-09-02 B090212X 526.78-15 BSBS 18-MOV-96 16-DEC-96 2.5 2.6 UGG 2FP SB-09-02 BSBS-BS1 BSBS 16-DEC-96 2.5 1.5 UGG 2FP BSBS-BS1 BSBS 16-DEC-96 2.5 1.5 UGG	2FP SB-09-01 B090112X 52678-14 BSBS 18-NOV-96 16-DEC-96 2.5 1.5 UGG 2FP SB-09-02 B090212X 52678-15 BSBS 18-NOV-96 16-DEC-96 2.5 2.6 UGG 2FP SBS-BS1 BSBS 16-DEC-96 2.5 1.5 UGG 2FP BSBS-BS1 BSBS 16-DEC-96 2.5 1.5 UGG 2FP 16-DEC-96 2.5 1.4 UGG		2442	777	10- 11 -22	XIOLOX V			٤	18-DEC-08	0		
ZF SB-09-02 B090212X 52678-14 BSBS 18-MOV-96 16-DEC-96 2.5 1.5 UGG ZFP SB-09-02 B090212X 52678-15 BSBS 18-MOV-96 16-DEC-96 2.5 2.6 UGG ZFP SBSS-BSI BSBS 16-DEC-96 2.5 1.5 UGG ZFP SSBS-BSI BSBS 16-DEC-96 2.5 1.5 UGG ZFP LSGS RSBS RSBS RSBS RSBS RSBS RSBS RSBS R	2F SB-09-01 B090212X 526/B-14 BSBS 1B-MOV-96 16-DEC-96 2.5 1.5 UGG 2FP SB-09-02 B090212X 526/B-15 BSBS 1B-MOV-96 16-DEC-96 2.5 2.6 UGG 2FP SBS-BS1 BSBS 1B-MOV-96 16-DEC-96 2.5 1.5 UGG 2FP BSBS-BS2 BSBS 16-DEC-96 2.5 1.4 UGG		CAR	250	50	20000				ברי			24.0
2FP SB-09-02 B090212X 52678-15 BSBS 18-NOV-96 16-DEC-96 2.5 2.6 UGG 2FP BSBS-BS1 BSBS 16-DEC-96 2.5 1.5 UGG 2FP BSBS-BS2 BSBS 16-DEC-96 2.5 1.5 UGG 2FP BSBS-BS2 BSBS 16-DEC-96 2.5 1.5 UGG 2FP BSBS-BS2 BSBS 16-DEC-96 2.5 1.5 UGG 2FP 16-DEC-96 2.5 UGG 2FP	2FP SB-09-02 B090212X 526.78-15 BSBS 18-NOV-96 16-DEC-96 2.5 2.6 UGG 2FP 858S-BS1 BSBS 16-DEC-96 2.5 1.5 UGG 2FP 858S-BS2 BSBS 16-DEC-96 2.5 1.4 UGG		ZALE	KLL	10-25-97				8-8	16-DEC-8	C C		9
2F 35 07 02 07 02 07 02 07 02 07 02 07 02 07 02 07 02 07 02 07 02 07 02 07 02 07 02 07 07 07 07 07 07 07 07 07 07 07 07 07	2FP 35 07 04 BOX51-12 BSBS 18-NUV-YO 10-DEC-YO 2.5 2.6 UGG 7 2FP 27 1.5 UGG 2FP 16-DEC-YO 2.5 1.5 UGG 2FP 16-DEC-YO 2.5 1.4 UGG 16-DEC-YO 2.5 UGG 16-DEC-YO 2.5 UGG 16-DEC-YO 2.		S	250	50-00-03	20000					;		2.3
2FP 8585-851 8585 16-DEC-96 2.5 1.5 UGG 2FP 15-DEC-96 2.5 1.5 UGG 2FP 8585-852 8585 16-DEC-96 2.5 1.5 UGG 2FP 8585 16-DEC-96 2.5 UGG 2FP 858	2FP BSBS-BS1 BSBS 16-DEC-96 2.5 1.5 UGG 2FP BSBS-BS2 BSBS 16-DEC-96 2.5 1.4 UGG		1		30-60-06	SONGE	_		۶ خ	6-DEC-96	2,2		5
2FP BSSS-862 RSR 16-DEL-96 2.5 1.5 U.G	2FP 858S-852 858S 16-DEC-96 2.5 1.5 UGG		S	750			_			200			5
2FP 14.05 2 5 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2FP 8SBS-BS2 BSBS 16-DEC-96 2.5 1.4 UGG			: 6			_	2		10-050-30	۲.۶		5
	10.0EC 70 E.3 1.4 UM		ZALAS	77			_	Vay		14-DEC-04	3.6		

SEMIVOLATILE SURROGATES

Percent Recovery	64.5 52.0 104.0	58.8 58.8 5.8.8 5.8.8 5.8.8 5.8.8 5.4.7 5.4.7 5.6.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5	6 6 6 7 7 7 7 7 8 8 8 8 8 8 8 8 8 8 8 8
Value Unit		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.3 UGG 1.5 UGG 1.1 UGG 1.1 UGG 1.1 UGG 1.2 UGG 1.2 UGG
Spike Value		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
Analysis Date		16-DEC-96 16-DEC-96 16-DEC-96 16-DEC-96 16-DEC-96 18-DEC-96 18-DEC-96 18-DEC-96 18-DEC-96 16-DEC-96 16-DEC-96 16-DEC-96	16-DEC-96 16-DEC-96 16-DEC-96 16-DEC-96 16-DEC-96 16-DEC-96 18-DEC-96 18-DEC-96 18-DEC-96
Sample Date		8 19-NOV-96 8 19-NOV-96 8 19-NOV-96 8 18-NOV-96 8 19-NOV-96 19-NOV-96 8 19-NOV-96 8 19-NOV-96 8 19-NOV-96 8 19-NOV-96 8 19-NOV-96 8 18-NOV-96 8 18-NOV-96	19-NOV-96 19-NOV-96 19-NOV-96 19-NOV-96 118-NOV-96 19-NOV-96 19-NOV-96 19-NOV-96 19-NOV-96
Lot		0.02 BSBS 0.02 BSBS 0.03 BSBS 0.04 BSBS 0.05 BSBS 0.07 BSBS 0.07 BSBS 111 BSBS 112 BSBS 115 BSBS 115 BSBS 115 BSBS 115 BSBS 115 BSBS 115 BSBS 117 BSBS 118 B	01 BSBS 02 BSBS 03 BSBS 04 BSBS 04 BSBS 05 BSBS 07 BSBS 08 BSBS 09 BSBS 11 BSBS
Lab Number		52678-01 52678-02 52678-04 52678-04 52678-05 52678-07 52678-10 52678-11 52678-11 52678-12 52678-14 52678-15 52678-11 52678-13 52678-13 52678-14 52678-15 52678-15 52678-15 52678-18	52678-01 52678-02 52678-03 52678-04 52678-04 52678-09 52678-09 52678-09 52678-10
IRDMIS Field Sample Number		B080112X B080212X BM90112X BM90112X B090412X SLE0101X SLE0201X SLE0201X SCW0101X SCW0101X SCW0101X SCW0101X SCW0101X SCW0112X SCW0112X B090112X B090212X	BO80112X BO80212X BM90112X BPH0107X B090312X B090412X SLE0101X SCW0101X SCW0101X SWW0102X
IRDMIS Site ID		SB-08-02 SB-08-02 SB-08-02 SB-09-03 SS-09-03 SS-09-01 SS-09-01 SS-09-01 SS-09-01 SS-09-01 SS-09-01 SS-09-01 SS-09-02	SB-08-01 SB-08-02 SB-08-02 SB-09-03 SB-09-04 SS-LE-01 SS-LE-01 SS-WH-01 SS-WH-01
Test Name	******** avg minimum maximum	NBD5 NBD5 NBD5 NBD5 NBD5 NBD5 NBD5 NBD5	TRP014 TRP014 TRP014 TRP014 TRP014 TRP014 TRP014 TRP014
IRDMIS Method Code		SMV2 SMV2 SMV2 SMV2 SMV2 SMV2 SMV2 SMV2	SMV2 SMV2 SMV2 SMV2 SMV2 SMV2 SMV2 SMV2
Contractor Method Description			
Contractor		ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES

SEMIVOLATILE SURROGATES

ke Name 72 TRP01 72 TRP01	Method To Code Na SNV2 TE SNV2 TE
TRPD14 TR	

VOLATILE SURROGATES

ir T	93.0 95.0 96.0	94.8 93.0 96.0	100.0	102.5 100.0 110.0	0.0000	พื้ออ
Percent Recovery	88.88 88.88	% 8%	5000	102 100 110	011	107.5 100.0 110.0
Value Unit	9.3 ust 9.5 ust 9.5 ust 9.6 ust		10 VGL 11 VGL 10 VGL 10 VGL		11 UGL 11 UGL 10 UGL 10 UGL	
Spike Value	5555		5555		5555	
Analysis Date	12-DEC-96 12-DEC-96 14-DEC-96 14-DEC-96		12-DEC-96 12-DEC-96 14-DEC-96 14-DEC-96		12-DEC-96 12-DEC-96 14-DEC-96 14-DEC-96	
Sample Date						
Lot			VAFW VAFW VAFX VAFX		VAFW VAFW VAFX	
Lab Number	VAFW-BS1 VAFW-BS2 VAFX-BS1		VAFW-BS1 VAFW-BS2 VAFX-BS1 VAFX-BS2		VAFW-BS1 VAFW-BS2 VAFX-BS1 VAFX-BS2	
IRDMIS Field Sample Number						
IRDMIS Site ID					ų.	
Test Name	120c04 120c04 120c04 120c04 ***********************************	avg minimum maximum	48FB 48FB 48FB 48FB 48FB	avg minimum maximum	MEC6D8 MEC6D8 MEC6D8 MEC6D8 MEC6D8	avg minimum maximum
IRDMIS Method Code	VMS1 VMS1 VMS1		VMS1 VMS1 VMS1		VMS1 VMS1 VMS1	
Contractor Method Description			ABB-ES ABB-ES ABB-ES ABB-ES		ABB-ES ABB-ES ABB-ES ABB-ES	



GRO/DRO VALIDATION REPORT AND DRO CHROMATOGRAMS

W001976APP

GRO/DRO DATA VALIDATION REPORT

ABB Environmental Services, Inc.

DATA VALIDATION REPORT MODIFIED USEPA METHOD 8015A FOR GRO/DRO SITE INSPECTION REPORT FORT ALLEN, JUANA DIAZ, PUERTO RICO

Introduction: The purpose of this report is to summarize data validation procedures and actions for review of data generated using Modified USEPA Method 8015A for gasoline range hydrocarbons (GRO) and diesel range hydrocarbons (DRO).

Holding Times. All analytical data sets were reviewed for compliance to analytical and technical holding times. All analytical samples were extracted and/or analyzed within accepted holding times for both the DRO and GRO analyses.

Sample results in groups 9890-25 and 9890-39, for DRO analysis and, 9890-24 and 9890-32, for GRO analysis, were notated with a V*to indicate that the samples were received at the laboratory with a temperature exceeding the preservation criteria of \leq 4°C. Cooler temperatures ranged from seven degrees to 14°C. This was not interpreted to have had a significant impact on results and no additional qualification of results was conducted.

Initial Calibration. Initial calibrations for the DRO analysis were reviewed for incorporation of the method required calibration levels, minimum Relative Response Factor (RRF) requirements, and Percent Relative Standard Deviation (%RSD) for the RRFs in the initial calibration. All initial calibrations showed utilization of the required calibration levels, RRFs greater than 0.05 and, %RSD values <20%.

Initial calibrations for the GRO analysis were reviewed for incorporation of the method required calibration levels, minimum Relative Response Factor (RRF) requirements, and Percent Relative Standard Deviation (%RSD) for the RRFs in the initial calibration. All initial calibrations showed utilization of the required calibration levels, RRFs greater than 0.05 and, %RSD values <20%.

Continuing Calibration. Continuing calibrations were analyzed for the DRO analysis at the mid-point level of 2500 µg/mL. All continuing calibrations were < 15% Difference.

Continuing calibrations were analyzed for the GRO analysis at the mid-point level of 200 µg/L. All continuing calibrations were < 15% Difference.

Method Blank. Method blanks were analyzed for both the DRO and GRO methods after the initial or continuing calibration standards run and, prior to the analysis of samples. All method blanks analyzed were less than the reporting limits for any target compounds in both the DRO and GRO analyses.

Surrogate Spikes. All samples analyzed for DRO were spiked with σ-Terphenyl at a final concentration of 20 μg/mL prior to the extraction step of the method. The surrogate recoveries for all samples analyzed were within laboratory generated control limits, except for sample SS-M9-01(052678-0013-SA). The surrogate recovery for this sample was less than laboratory generated control limits. This sample was diluted 1:10 prior to analysis to bring the quantitation concentration within the calibration range of the instrument. No additional qualification of results is recommended due to the level of dilution.

All samples analyzed for GRO were spiked with 1-Chloro-4-fluorobenzene, Internal Standard (IS) and, α,α,α -Trifluorotoluene (TFT) surrogate at a concentration of 30 μ g/L prior to analysis. The surrogate recoveries for all samples analyzed were within method acceptance criteria.

Matrix Spikes/Matrix Spike Duplicates. Samples submitted were not specified for analysis of Matrix Spike/Matrix Spike Duplicates (MS/MSD). Samples were selected, by the laboratory for MS/MSD analysis for DRO. Three water samples MW-03-10(052856-001-SA), RNSW-SB-02(052680-0001-RB) and, WW#2(052614-0001-SA), were selected for MS/MSD analysis. All sample sets selected for MS/MSD analysis were within laboratory generated control limits for percent recovery and Relative Percent Difference (RPD).

GRO samples submitted were not specified for analysis of MS/MSD. However, samples were selected by the laboratory for MS/MSD analysis for GRO. Three water samples MW-03-01(052856-0002-SA), RNSW-SB-02(052680-0001-RB) and, WW#2(052614-0001-SA) and, one soil matrix, SB-08-02(052678-0001-SA) were selected for MS/MSD analysis. All water samples selected for MS/MSD analysis were within laboratory generated control limits for percent recovery and RPD. Soil sample SB-08-01(052678-0001-SA) had MS/MSD recoveries outside laboratory generated control limits for percent recovery of 60% to 140%. RPDs were within the RPD control limit of 20. The percent recovery for the MS was 59%, the MSD percent recovery was 51%. These results indicate that the soil GRO results are estimated values with a possible low bias, however, results are usable with qualification.

Laboratory Control Samples. Laboratory Control Samples (LCSs) were prepared and analyzed as Duplicate Control Samples (DCS) for the DRO method. DCSs are prepared as natural matrix spike samples. Laboratory generated control limits are established at ± 44% RPD. DCS RPD results were all within laboratory generated control limits.

LCSs were analyzed after initial or continuing calibrations and prior to the analysis of method blanks and samples for GRO. All LCSs analyzed were within acceptance criteria for GRO analysis.

Overall Assessment. Data presented from the analysis of DRO was of an overall good quality. There were no technical or quantitative problems with the data. The sample temperature issue discussed in Section 3.2 does not affect the overall quality and usability

of the data package. ABB-ES does not recommend or require any new notations or changes to the data.

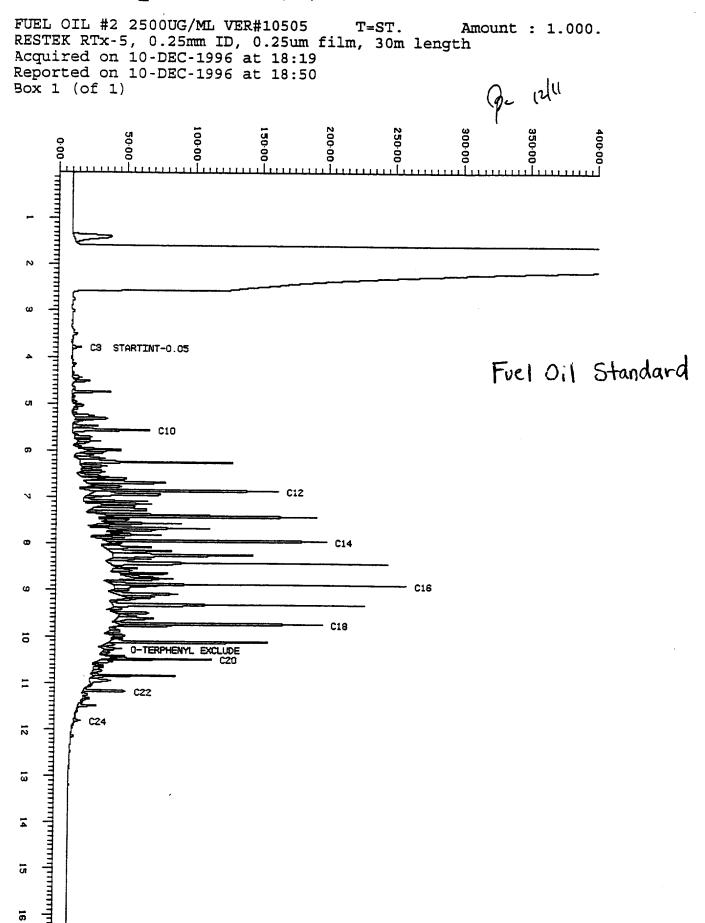
Data presented from the analysis of GRO was of an overall good quality. There were no technical or quantitative problems with the data. The sample temperature issue discussed in Section 3.2 does not affect the overall quality and usability of the data package. ABB-ES does not recommend or require any new notations or changes to the data.

DRO CHROMATOGRAMS

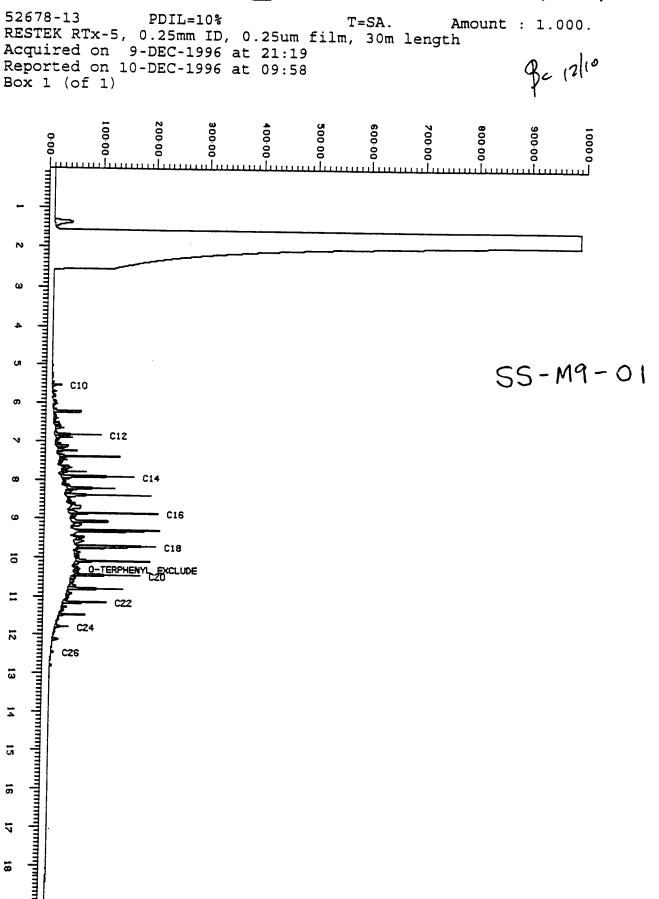
ABB Environmental Services, Inc.

W001976APP

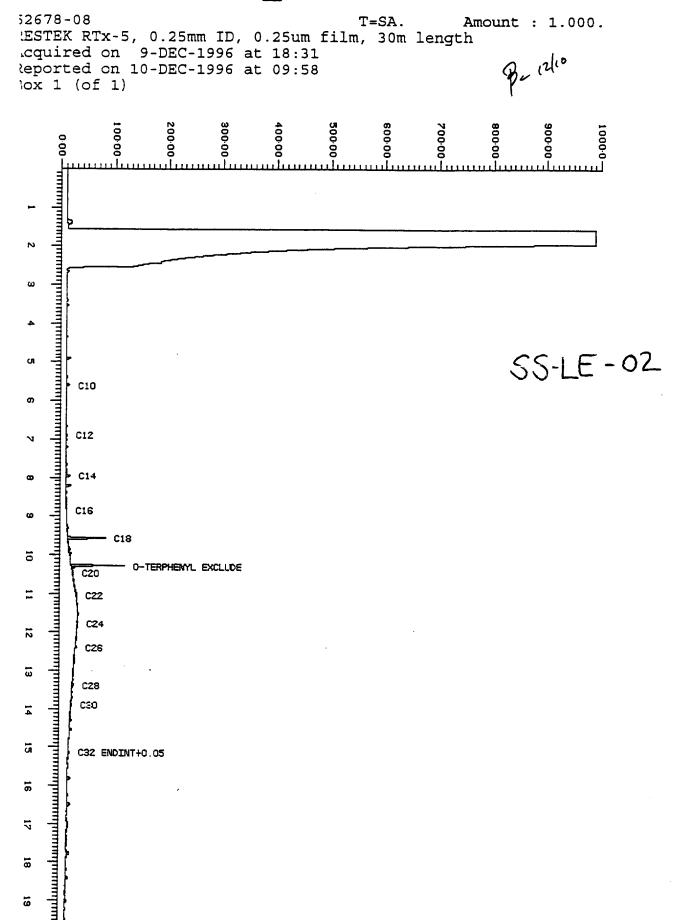
[FID12_2] 76 Z10DEC96,14,1



[FID12_2] 76 Z09DEC96,19,1

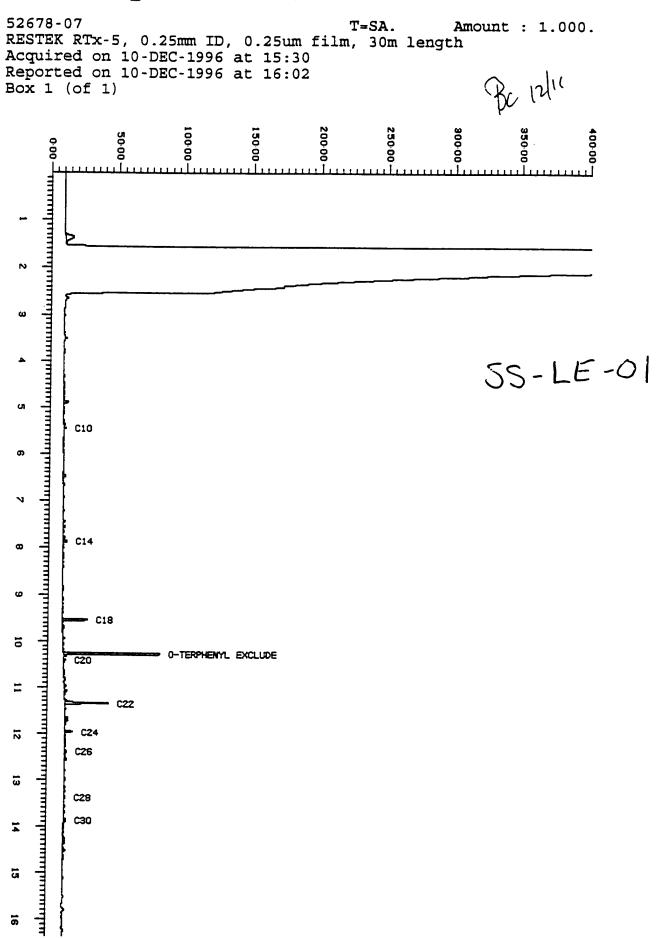


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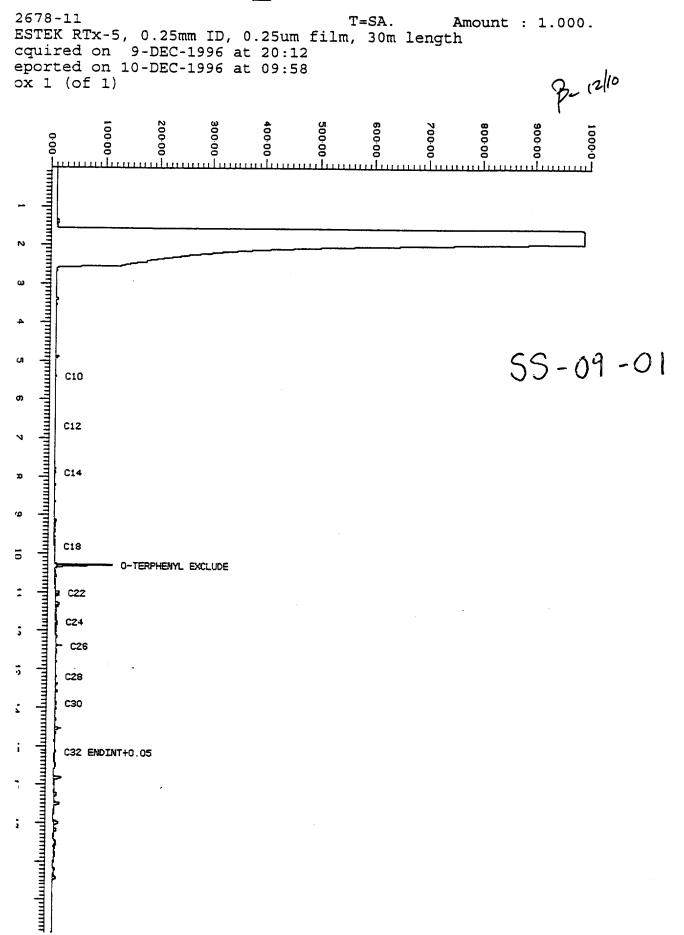


[FID12_2] 76 Z10DEC96,9,1

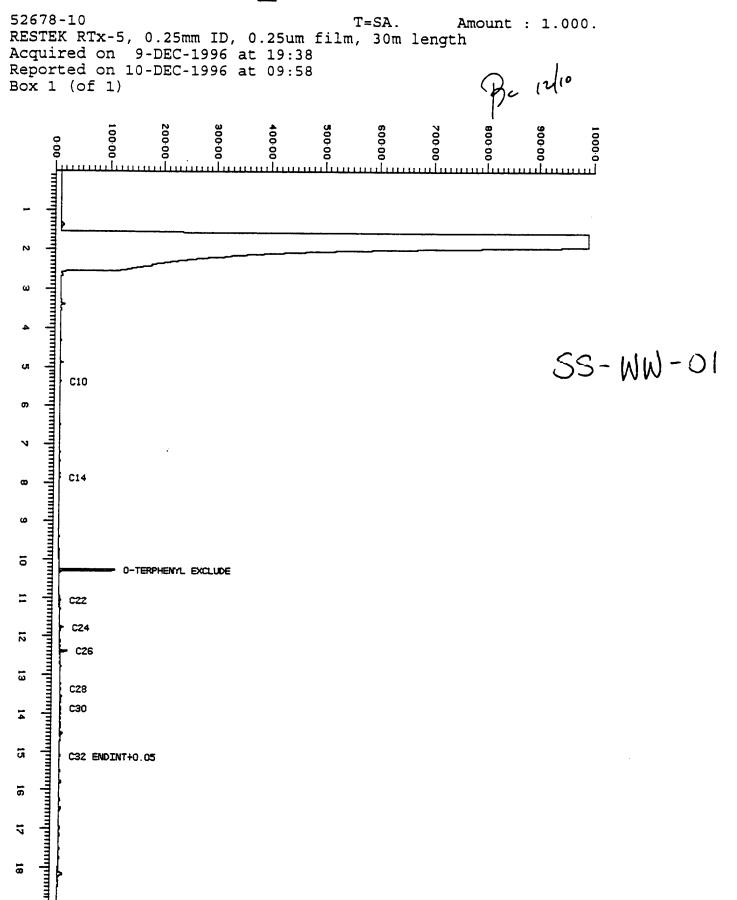
 $(x,y) \in \mathbb{R}^{n} \times \mathbb$



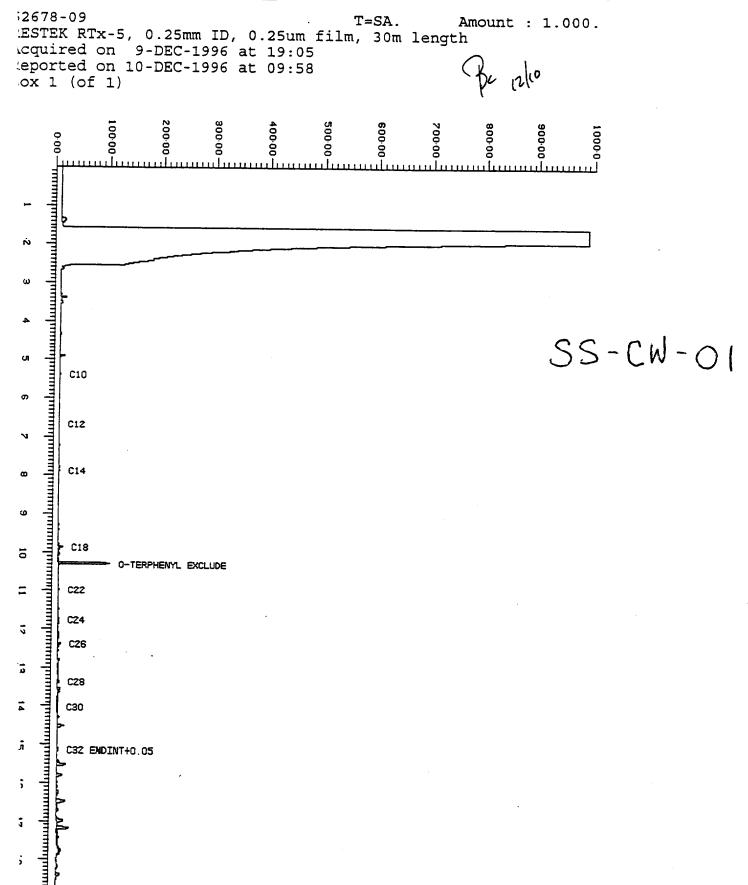
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[FID12_2] 76 Z09DEC96,16,1

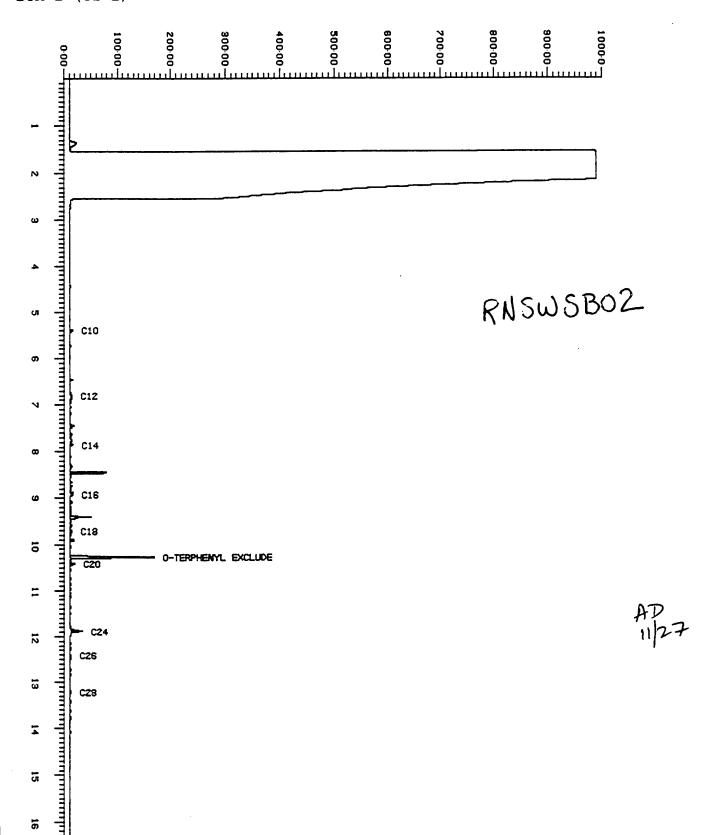


[FID12_2] 76 Z09DEC96,15,1

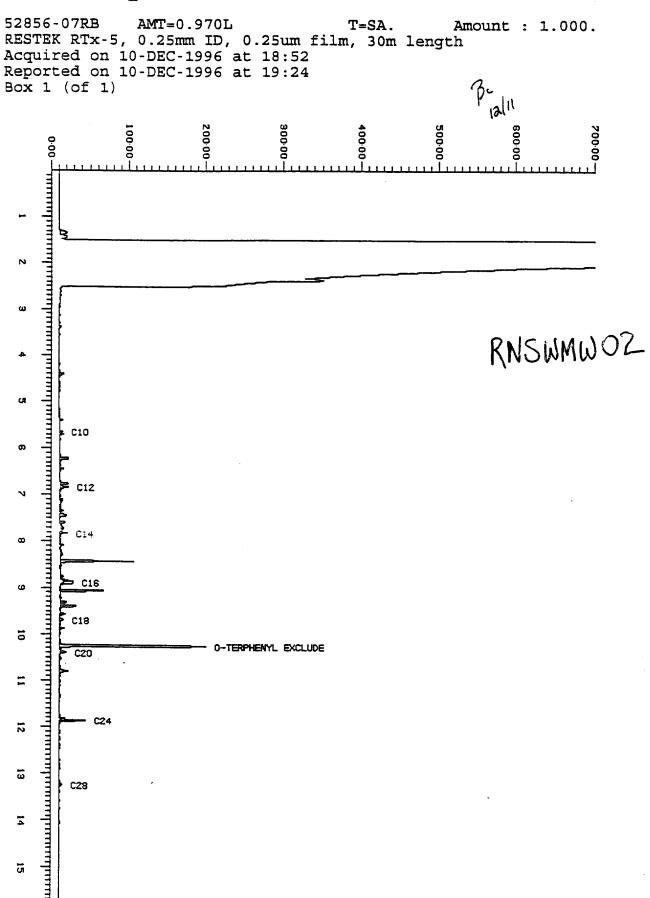


[FID11_4] 75 Z26NOV96,9,1

52680-01 AMT=0.94L PDIL=100% T=SA. Amount: 1.000. RESTEK RTx-5, 0.25mm ID, 0.25um film, 30m length Acquired on 26-NOV-1996 at 12:33 Reported on 26-NOV-1996 at 13:04 Box 1 (of 1)

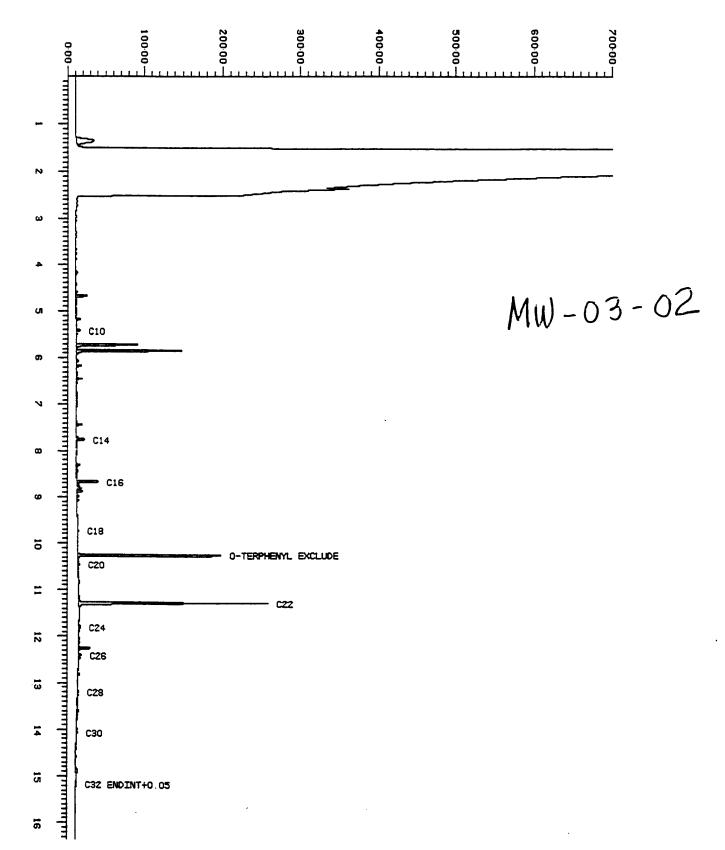


[FID12_2] 75 Z10DEC96,15,1



[FID12_2] 75 Z10DEC96,11,1

52856-02 AMT=0.855L T=SA. Amount: 1.000. RESTEK RTx-5, 0.25mm ID, 0.25um film, 30m length Acquired on 10-DEC-1996 at 16:38 Reported on 10-DEC-1996 at 17:10 Box 1 (of 1)



USAEC/IRDMIS ANALYTICAL RESULTS

W001976APP

IRDMIS DATA-FINAL DOCUMENTATION REPORTS

SURFACE SOIL

ABB Environmental Services, Inc.

W001976APP

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN)

	Unit Fla Meas Cod	. ,,,
	Me Bo Conc	1.1.
File Type: CSO : 01-JAN-75 28-JAN-97	Analyte Description	
File Ty Sampling Date Range: 01-JAN-75	Meth/ Matrix CAS No. DRO /S	
San	Lab Amty. No. Matrix CAS No.	
	Sample Date 	
	Depth	
	Field Sample No.	
	Site 1D SS-09-01	
	Site Type	

Lab	Meth/			Q.	lhit T	- La	40	EDA Doto
nly. No.	Matrix	CAS No.	Analyte Description	Bo Conc		Codes	Quats	Quals
	:	:	*****************	:::::::::::::::::::::::::::::::::::::::		1 1 1		
52678-11	DRO /S		Diesel range organics	18.6	7 290			
	GPB1/S	7439-92-1	Lead	32	NGG BY	>		
	GRO /S		Gasoline range organics	.5	7 200			
	GSE1/S	7782-49-2	Selenium		7 990			
	GTL1/S	7440-28-0	Thallium	11 2	Neg v			
	HGC1/S	7439-97-6	Mercury	11.2	7 550			
	1CM1/S	7440-36-0	Antimony) NGG V			
		7440-38-2	Arsenic	2	\ 1001			
		7440-41-7	Beryllium		> > 990			
		7440-43-9	Cachrium	-	> >			
	1CP1/S	7429-90-5	Aluminum	21800	IIGG VR			
		7439-89-6	Iron	27900		٠.		
		7439-95-4	Magnesium	22500				
		7439-96-5	Manganese	080	-	_		
		7440-02-0	N: ckel	45 A		_		
		2-60-0552	Potassium		_			
		7440-22-4	Silver	2002	> >			
		7440-23-5	Sodium		200			
		2-62-0772) out			
		2-27-0772	100 min	+ <u>c</u> c) UGG V			
		7-87-0772		28.3	7 550			
		440-40-4	Copalt	18.4	NGG <			
		7,440-30-8	Copper	56.3	NGG V			
		7-70-044/	vanadium	71.4	NGG v			
		0-00-04/	ZINC	63.8	7 990			
	1	7440-70-2	Calcium	1.02 E 5	7 550			
	SMV2/S	100-01-6	4-Nitroaniline	8. 17	V 55U			
		100-02-7	4-Nitrophenol		Neg v			
		105-67-9	2,4-Dimethylphenol		7 1198			
		106-44-5	D-Cresol / 4-Cresol / 4-Methylphengl		> >			
		106-46-7			> 290			
		106-47-8	4-Chloroaniline	1 23	200			
		108-60-1	Bis(2-chloroisopropyl) ether		> >			
		108-95-2	Phenol / Carbolic acid / Phenic acid	1 33	> >			
				;	200			
		111-44-4	Bis(2-chloroethyl) ether	17 77	200			
		111-91-1	Bis(2-chloroethoxy) methane	22	> >			
		117-81-7	Ris (2-ethylbevyl) phthelete		200			
		117-8/-0	Districtly there is		000			
		110-7/-1	Ul-m-octyl phinalate		NGG <			
		1-0-(4-1	nexacntoropenzene		7 000			
		7-21-021	Anthracene		NGG V			
		120-82-1	1,2,4-Trichlorobenzene	11 .33	V 55U			
		120-83-2	2,4-Dichlorophenol		NGG V			
		121-14-2	2,4-Dinitrotoluene	•	NGG V			
		129-00-0	Benzo[def]phenanthrene / Pyrene	LT .33	NGG v			

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report

28-JAN-97

Site Type Type

Installation :Fort Allen, Puerto Rico (FN)
File Type: CSO
Date Bange: 01-184-75

	EPA Data Quals
	Data Quals
	Unit Flag Meas Codes 100 V UGG V UGG V UGG V UGG V
	Me Bo Conc LT .33 LT .33 LT .6 LT .5 LT .5
28-JAN-97	Analyte Description Dimethyl phthalate Dibenzofuran 2,4-Bis(isopropylamino)-6-methoxy- 1,3,5-triazine / Primato* Benzo[ghi]perylene Indeno[1,2,3-C,D]pyrene Benzo[b]fluoranthene / 3,4-
01-JAN-75	Analyte Description Dimethyl phthalate Dibenzofuran 2,4-Bis(isopropylamino)-6-m 1,3,5-triazine / Primato* Benzolghijperylene Indeno[1,2,3-C,D]pyrene Benzolb]fluoranthene / 3,4-
sampling Date Range: 01-JAN-75	CAS No. 131-11-3 132-64-9 1610-18-0 191-24-2 193-39-5 205-99-2
o Lodwes	Meth/ Matrix SMVZ/S
	Lab Anly. No. 52678-11
	Field Sample No. Depth Date S090101X 1.0 19-NOV-96
	Depth
	Field Sample No.
	Site ID SS-09-01
	0 0 1 12

ĸ'nijijĸó. óvi -------4,6-Dinitro-2-cresol / 2-Methyl-4,6-2,4-Dinitrophenol Dibenz[ah]anthracene / 1,2:5,6-Benzo [b] fluoranthene / 3,4-Benzo [k] fluoranthene **Benzofluoranthene** 0 ibenzanthracene Acenaphthylene Benzo [a] pyrene Fluoranthene Chrysene 206-44-0 207-08-9 208-96-8 218-01-9 50-32-8 51-28-5 53-70-3 534-52-1

>>>>>>

> 1,3-Dichlorobenzene Benzo [a] anthracene dini trophenol 541-73-1 56-55-3 59-50-7

3-Methyl-4-chlorophenol / 4-Chloro-3cresol / 4-Chloro-3-m* 2,6-Dinitrotoluene Octadecane

990 090 090

LT .33 LT .33 LT .33

UGG

N-Nitrosodi-n-propylamine Hexachloroethane **Hexachlorocyclopentadiene** Acenaphthene Sophorone 593-45-3 606-20-2 621-64-7 67-72-1 77-47-4 78-59-1 83-32-9 84-74-2 85-68-7 86-30-6 86-74-8 86-30-6 86-74-8

<u>កម្មាធិត្តតំបត់ ក្រុង ក្រុ</u>

Butylbenzyl phthalate N-Nitrosodiphenylamine Fluorene / 9H-Fluorene Carbazole / 9H-Carbazole Diethyl phthalate Di-n-butyl phthalate Phenanthrene

Hexachlorobutadiene / Hexachloro-1,3-2,4,6-Trichlorophenol Pentach lorophenol 2-Nitroaniline 2-Nitrophenol but adjene 87-86-5 88-06-2 88-74-4 88-75-5 91-20-3 91-57-6

Naphthalene / Tar camphor

2-Methylnaphthalene

* - Analyte Description has been truncated. See Data Dictionary

28-JAN-97

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO 28-JAN-07

									Co-dan-y				
Site	Site	Field			•	Lab	Meth/			Me	Unit Flag	Data	EPA Data
adk -	≘ ;	sample No.	veptn	Date	Ca S	Lab Anly. No.	Matrix	CAS No.	Analyte Description			Quals	Quals
PLUGS	SS-09-01	S090101X	1.0	-		5247R-11	S/C/MS	01.58.7					
					!			20-10	Z Z - N - N - L control of the	رد. در ا			
								7 74 7	2,3 - Ulcillorobenziqine				
								7-40-6	o-cresol / Z-cresol / Z-Methylphenol		> 990		
								95-50-1	1,2-Dichlorobenzene	LT .33	A 550		
								95-57-8	2-Chlorophenol		^ 55U		
								95-95-4	2,4,5-Trichlorophenol				
								98-95-3	Nitrobenzene / Essence of mirbane /		> 201		
									Oil of mirbane				
								00-00	7.Nitroppiline	•			
								1			N 990		
										1.33	NGG V		
									4-Chlorophenyl phenyl ether	LT .33	^ 55U		
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									Unknown compound 551	-			
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ń	20-60-88	SUNDON	-	96-AON-61 0"1	7	52678-12	DRO /S		Diesel range organics	6.74	A 550		
							GPB1/S	7439-92-1	Lead	3.23	UGG BV		
							GRO /S		Gasoline range organics	11 .5			
							GSE1/S	7782-49-2	Selenium				
							GTL1/S	7440-28-0	Thettium	- 1	> > 991		
							HGC1/S	7439-97-6	Mercury	- 1	-		
							ICM1/S	7440-36-0	Antimony	; -	> > 991		
							•	7440-38-2	Arsenic	- 1-	> 500		
								7440-41-7	Rerollim		_		
								0-27-0772		- ;) object		
							1,01,0	77.20-00-5	Cadmid.				
								7.00 02.72		2/300			
								7459-89-6	I ron	36100			
								4-24-42-4	Magnesium	24200			
								7439-96-5	Manganese	585	UGG VB		
								7440-02-0	Nickel	42.2	NGG V		
								2440-05-7	Potassium	1390			
		•											
* - Anat	yte Descri	 Analyte Description has been truncated. 	en trur		Data D	See Data Dictionary							

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Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO

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	E C	Bo Conc		6120	159	41.7	21.1	68.5	129	54.7	27800	۳. ۲.		LT .33				::		17 73						; ;		11					٠: : :		11 .33				11 .33		LT .6	•	-
Date Range: 01-JAN-75 28-JAN-97	Analyte Decription		Silver				11800		Variation	2.1.c			4-Witrophenol	•	1 2-5 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	4.Ch.oronallan	Bie/2.chionoiseana.	Phenol / Carbolic acid / Drawin acid	/ Phenylic acid / Phat	Bis(2-chloroethyl) ether	Bis(2-chloroethoxy) methene	Bis(2-ethylhexyl) chthalata	Di-n-octyl phthalate	Hexachlorobenzene	Anthracene	1,2,4-Trichlorobenzene	2,4-Dichlorophenol	2,4-Dinitrotoluene	Benzo (defliphenanthrene / Pyrene	Dimethyl phthalate	Dibenzofuran	perizotgaliperytene	Benzo(b) fluorenthene / % /-	Benzofluoranthene	Fluoranthene	Benzo [k] fluoranthene	Acenaphthylene	Chrysene	Benzo [a] pyrene	2,4-Dinitrophenol	Dibenz [ah] anthracene / 1,2:5,6-	Vicenzanthracene	dinitrophenol
Date Range:	CAS No.		7440-22-4	C-CZ-044/	2-46-0447	7-87-044/	#-01-077Z	2,440-02-2	7-70-044/	0-00-07/2	100-01-6	100-001	100-02-7	105-67-9	106-44-7	106-47-8	108-60-1	108-95-2		111-44-4	111-91-1	117-81-7	117-84-0	118-74-1	120-12-7	120-82-1	120-83-2	121-14-2	29-00-0	151-11-3	152-04-9	2-62-10	205-99-2	I	506-44-0	07-08-9	8-96-80	18-01-9	0-32-8	1-28-5	3-70-3	534-52-1	
Sampling	Meth/ Matrix		ICP1/S								SWV2 /e	2/1														•	•						- (-)		~		N	N i	.	ın ı	•	•	
	Lab Lab Anly. No.	:	RL 52678-12																																								
	Sample Date		19-NOV-96																																								
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	Si te ID	20-00-88	3																																								
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Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO

Sample Date

Field Sample No. Depth S090201X 1.0 1

Site Site
Type ID
---PLUG SS-09-02

EPA Data Quals	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																																							
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Date Range: 01-JAN-75 28-JAN-97 CAS No. Analyte Description	1,3-Dichlorobenzene Benzo[a]anthracene	3-Methyl-4-chlorophenol / 4-Chloro-3- cresol / 4-Chloro-3-m*	2,6-Dinitrotoluene	N-Nitrosodi-n-propylamine	Mexachloroctnane Hexachlorocyclopentediene	Isonhorone	Acenaphthene	Diethyl phthalate	Di-n-butyl phthalate	Phenanthrene	Butylbenzyl phthalate	N-Nitrosodiphenylamine	Fluorene / 9M-Fluorene	Carbazole / 9M-Carbazole	Hexachlorobutadiene / Hexachloro-1,3-	butadiene	Pentach orophenol	2,4,6-Trichlorophenol	2-Nitroaniline	Z-Nitrophenot	Naphthalene / Tar camphor	Z-Methythaphthalene	Z-Chloronaphthalene	3,3'-Uichlorobenzidine	0-Cresol / 2-Cresol / 2-Methylphenol	l, z-uichlorobenzene	2-Chlorophenol		Nitrobenzene / Essence of Mirbane / Oil of mirbane	3-Nitroeniline	4-Bromophenyl phenyl ether	4-Chlorophenyl phenyl ether	Unknown compound 539	Unknown compound 551			Unknown compound 615	Unknown compound 623	Unknown compound 637	
	_	59-50-7	606-20-2	7-40-170	7-27-22	78-59-1	83-32-9	84-66-2	84-74-2	85-01-8	85-68-7	86-30-6	86-73-7	86-74-8	87-68-3		87-86-5	7-90-88	4-4/-88-74-4	88-73-3	5-02-16	71-76	7-28-10	54-1 A	72-48-7	72-30-1	95-06-08	00-05-4	6-64-94	2-00-66										
Sampling Lab Meth/ Lab Anly. No. Matrix	52678-12																																							

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File Type: CSO 01-JAN-75 28-JAN-97	Analyte Description		Unknown compound 660	Diese Tange organics	Geo. ine rende ordenion				Mercury	Antimony	Arsenic							Potassim				Chromita	Cohelit	, man	Variable	7 for		4-Nitrosniline	4-Nitrophenol	2,4-Dimethylphenol	p-Cresol / 4-Cresol / 4-Methylphenol	e Se	4-Chloroaniline	Bis(Z-chloroisopropyl) ether	/ Phenol / Carbolic acid / Phenic acid	Rie(2-ch/cootte) - tehen	Bis(2-chloroethoxy) methans	Rig(2-ethylbexxl) whehelete	Di-n-octyl phthalate	Hexachlorobenzene	Anthracene	1,2,4-Trichlorobenzene	2,4-Dichlorophenol	C14-7-1111111111111111111111111111111111
File Ty Sampling Date Range: 01-JAN-75	S			7430-02-1		7782-40-2	7-44-3011	0-97-044/	459-97-6	7440-36-0	7440-38-2	/-L#-0##/	74.20-65-9	7.04-6247	7-50-0272	5-96-6572	7440-02-0	2-60-0552	7440-22-4	7440-23-5	7440-39-3	7440-47-3	7-87-077	7440-50-8	7440-62-2	7440-66-6	7440-70-2	100-01-6	100-02-7	105-67-9	106-44-5	106-46-7	100-47-8	100-00-1	7-64-901	111-66-6	111-91-1	117-81-7	117-84-0	118-74-1	120-12-7	120-82-1	121-14-2	:
Sampling	Meth/ Matrix		SMV2/S	GP81/S	GRO /S	GCE1/C	CT1 1/6	611170	301/S	S/IE31			1,001															SMV2/S																
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Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN)

28-JAN-97	
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Date Range:	
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Analyte Description	Benzo (def) phenanthrene / Pyrene	Dimethyl phthalate Dibenzofuran	Benzo[ghi]perylene	Indeno[1,2,3-C,0]pyrene	Benzo[b] fluoranthene / 3,4-	Benzotluorantnene	rtuorantmene Renzofkifluoranthene	Acenaphthylene	Chrysene	Benzo [a] pyrene	2,4-Dinitrophenol	Dibenz[ah]anthracene / 1,2:5,6-	Dibenzanthracene	4,6-Dinitro-2-cresol / 2-Methyl-4,6-	1.3-Dichlorobenzene	Benzo (a) anthracene	3-Methyl-4-chlorophenol / 4-Chloro-3-	cresol / 4-Chloro-3-m*	2,6-Dinitrotoluene	N-Nitrosodi-n-propylamine	Hexachloroethane	ppDDD / 1,1-Dichloro-2,2-bis(p-	chlorophenyl)ethane / Rhoth*	2,2-Bis(p-chlorophenyl)-1,1-	dichiorethene	Hexachlorocyclopentadiene	Isophorone	Acenaph thene	Dietnyt parmatate Dien-butyl shttp://orc	Phenanthrens	Butylbenzyl phthalate	N-Nitrosodiphenylamine	Fluorene / 94-Fluorene	Carbazole / 9H-Carbazole	Hexachlorobutadiene / Hexachloro-1,3-	butadiene	Pentachlorophenol	2,4,6-Trichlorophenol	Z-Nitroaniline	Z-Nitrophenol	
CAS No.	129-00-0	131-11-3 132-64-9	191-24-2	193-39-5	205-99-2	0 // 700	207-08-9	208-96-8	218-01-9	50-32-8	51-28-5	53-70-3	,	554-52-1	541-73-1	56-55-3	59-50-7		2-02-909	621-64-7	67-72-1	72-54-8		72-55-9	;	\$-J\$-JJ	78-59-1	67-75-9	84-00-6	85-01-8	85-68-7	86-30-6	86-73-7	86-74-8	87-68-3		87-86-5	88-06-2	5-5/-88	C-C/-88	
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^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75

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ate Range: 01-JAN-75 28-JAN-97	Analyte Description		Naphthalene / Tar camphor	2-Methylnaphthalene	2-Chloronaphthalene	3.3'-Dichlorobenzidine	O-Creen / 2-Creen / 2-Math.d-t	1 2-Dichlosbarres		2-culorophenol	2,4,5-Trichlorophenol	Witrobenzene / Essence of mirbane /	Oil of mirbane	3-Nitroaniline	4-Bromophenyl phenyl ether	4-Chlorophenyl phenyl ather	N-Tetradecanoic Acid Amide	Unknown compained 530	Introdus compand 551	Linkson company 231		Unknown compound 615	Unknown campound 623		Unknown compound 630	Unknown compound 637	Unknown compound 668	Diesel range organics	Peal	Gasol the rende opposited					Antimony	Arsenic	Beryllica	Cachrium	Aluminum	lron	Megnesium	Manganese	Nickel	Potassium	Silver	Sodium	Barica	Chromium	Cobalt	
Date Range	CAS No.		91-20-3	91-57-6	91-58-7	91-94-1	2-87-56	95-50-1	05-57-9	0-10-00	75-75-4	78-77-5		89-09-5															7439-92-1		2-07-2822	7440-28-0	7.70-07.4	0-14-454	0-06-044	7-96-044	7-14-044	440-43-9	7,29-90-5	439-89-6	7.439-95-4	7439-96-5	7440-02-0	7-60-05-7	7,40-22-4	7440-23-5	7440-39-3	7440-47-3	7-87-057	
Sampling D	Meth/ Matrix		SMV2/S																									DRO /S	GPB1/S	GRO /S					() E5				ICP1/S				-	_	_	_	_	_	_	
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Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75 28-JAN-97

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Unit Flag Meas Codes	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	> > 000 000	v 220	> 550 000	A 990				A 990					:			NGG V	V 55U				> 200		7 59N	NGG v					V 20U	7 000		A 550	A 550					> 200		٨ ٥٥١١			> >		066 VS		
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Analyte Description	000000000000000000000000000000000000000	Vanadium	Zinc	Calcium /-Nitmoonilino	7-N:+:00:11:1:00:1	2 /- nimethylphonol		p-Cresol / 4-Cresol / 4-Methylphenol	1,4-Dichlorobenzene	4-Chloroaniline	Bis(2-chloroisopropyl) ether	Phenol / Carbolic acid / Phenic acid	/ Phenylic acid / Phe*	Rie(2-chlorosthyl) othor	Bis(2-chloroethow) mothers		Bis(2-ethylnexyl) phthalate	Di-n-octyl phthalate	Hexachlorobenzene	Anthracene	1 2 4-Trichlorohanzana	2 k-Dichlengham		z,4-Dinitrotoluene	Benzo[def]phenanthrene / Pyrene	Dimethyl phthalate	Dibenzofuran	Renzo fahil nenylene		indenoli, 2, 3-t, Dipyrene	Benzo[b] fluoranthene / 3,4-	Benzotiuoranthene	Fluoranthene	Benzo[k]fluoranthene	Acenaphthylene	Chrysene	Benzo [a] pyrene	2,4-Dinitrophenol	Dibenz[ah]anthracene / 1.2:5.6-	Dibenzanthracene	4.6-Dinitro-2-cresol / 2-Mathyl-4 4-	dinitrophenol	1.3-Dichlorobenzene	Benzo al anthracena	1 2-Dimethylmentthelene	3-Mothyl-6-chiconhonol / 6-chico-2-	property (4-chilorate / 4-chilorof-5-	cresol / 4-Chloro-5-m*
CAS No.	7440-50-8	7440-62-2	7440-66-6	7440-70-2	100-01	105-67-0	10, 20, 7	100-44-0	106-46-7	106-47-8	108-60-1	108-95-2		111-66-6	111-01-1	117.01.7	7-10-711	117-84-0	118-74-1	120-12-7	120-82-1	120-83-2	121-17-2	7-61-171	129-00-0	131-11-3	132-64-9	101-24-2	102-20-5	193-195	7-66-602	:	506-44-0	207-08-9	208-96-8	218-01-9	50-32-8	51-28-5	53-70-3		534-52-1		541-73-1	6-55-3	573-08-B	39-50-7		
	ICP1/S 7440-50-8	7440-62-2	7440-66-6	7440-70-2 SMV2/S 100-01-4		1-20-001	10.501	100-44-0	1.00-46-7	106-47-8	108-60-1	108-95-2		111-66-6	111-01-1	147.04.1	J-19-J11	117-84-0	118-74-1	120-12-7	120-82-1	120-83-2	121-17-2	7-61-171	0-00-671	131-11-3	132-64-9	191-24-2	107-20-6	C-45-54-	7-66-602	:	206-44-0	207-08-9	208-96-8	218-01-9	50-32-8	51-28-5	53-70-3		534-52-1		541-73-1	56-55-3	573-98-8	50-20-5		
Lab Meth/ Anly. No. Matrix		2-29-047	740-66-6			1-20-001	7.70-701	C-44-001	7-94-901	106-47-8	108-60-1	108-95-2		411-44-4	111-01-1	/	J-19-J11	117-84-0	118-74-1	120-12-7	120-82-1	120-021	121-14-2	7-41-171	0-00-671	131-11-3	132-64-9	101-24-2	102-20-6	C-4C-C4	7-66-502		206-44-0	507-08-9	208-96-8	218-01-9	50-32-8	51-28-5	53-70-3		534-52-1		541-73-1	56-55-3	573-08-8	20-20-5		
Lab Meth/ Lab Anly. No. Matrix	52678-08 ICP1/S	7440-62-2	9-99-04/2			1-20-001	2-17-50F	C-44-001	7-94-901	106-47-8	108-60-1	108-95-2		111-66-6	111.01-1	- 10 - 17 F	J-10-J11	117-84-0	118-74-1	120-12-7	120-82-1	12.02.02.02.02.02.02.02.02.02.02.02.02.02	121-17-5	7-61-171	0-00-671	131-11-3	132-64-9	101-24-2	102-10-1	C-4C-C41	7-66-502		0-99-902	507-08-9	208-96-8	218-01-9	50-32-8	51-28-5	53-70-3		534-52-1		541-73-1	56-55-3	573-08-8	7-05-05		
Sample Lab Meth/ Date Lab Anly. No. Matrix	RL 52678-08 1CP1/S	7440-62-2	9-99-07-			1-30-001	10 COL	C-55-001	1-9+-90L	106-47-8	108-60-1	108-95-2		711-46-6	1-01-1	F 40 274)-IQ-/II	117-84-0	118-74-1	120-12-7	120-82-1	C-12-UC1	124-14-2	7-hi-171	0-00-671	131-11-3	132-64-9	C-77-101	102.20.5	C-KC-CK-	7-44-C07		702-44-0	507-08-9	208-96-8	218-01-9	50-32-8	51-28-5	53-70-3		534-52-1		541-73-1	56-55-3	573-08-8	2-02-20		
Sample Lab Meth/ Depth Date Lab Anly. No. Matrix	19-NOV-96 RL 52678-08 ICP1/S	7440-62-2	9-99-077/			0-29-501	1777	C-55-001	J-99-901	106-47-8	108-60-1	108-95-2		111-66-6	111.01-1	1 40 - 114	J-10-21:	117-84-0	118-74-1	120-12-7	120-82-1	5-78-051	2 0 0 0 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	2-1-1-2-1	0-00-621	131-11-3	132-64-9	191-26-2	3-04-701	0-N0-1860	7-44-507		0-94-0	6-90-202	8-96-8	218-01-9	50-32-8	51-28-5	53-70-3		534-52-1		1-52-173-1	56-55-3	8-80-825	20-20-		
Field Sample Lab Meth/ Sample No. Depth Date Lab Anly. No. Matrix	1.0 19-NOV-96 RL 52678-08 ICP1/S	7440-62-2	9-99-04-0			105-67-01	- 17 - 70 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	C-31-001	7-97-901	106-47-8	108-60-1	108-95-2		111-46-4	111-01-1	- 10 PAA	J-10-71	117-84-0	118-74-1	120-12-7	120-82-1	120-83-	3 00 01-	2-7-12-	0-00-671	131-11-3	132-64-9	2-76-101	3-02-20	0.40-04-04-	Z-64-502		205-44-0	207-08-9	208-96-8	218-01-9	50-32-8	51-28-5	53-70-3		534-52-1		1-82-175	56-55-3	8-80-825	20-20-		

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75

	EPA Data	S I B I B	•																														
	Date	SIBOR																															
		שמשא רחמשא	> 991	• > SE	> > 991	> >	900	> 390	> 550	> 550 250	> 550 - 551	> :	> : 990	> 250	> : 000	> 550 Oct	A 990		^ 55U	> > 201	> > 0000	> > 990	> > 991	> > 991		_		• > 950 950	> > 990	> > 991	> 250 000	•	A DOU
	æ Ee			EF. 11	11.33					3.5					:: ::	_	=		8. 1.			: E								e .			LT .8
Nate Range: 01-JAN-75 28-JAN-97	Analyte Description		2,6-Dinitrotoluene	N-Nitrosodi-n-propylamine	Hexachloroethane	Hexachlorocyclopentadiene	Isophorone	Acenachthene	Diethyl rhthelete	Di-D-futvi phthelete	Phenanthrepa	Butv(benzv) rhthalate	M-Nitrosodinhenvlamine	Flinctone / ON-Elinana	Carbazola / Ou-Carbazolo	10780180 - 4 / 210780180	hexachiorobutadiene / Hexachioro-1,3-		Pentachlorophenol	2,4,6-Trichlorophenol	2-Nitroeniline	2-Nitrophenol	Naphthalene / Tar camphor	2-Methylnaphthalene	2-Chloronaphthalene	3,3'-Dichlorobenzidine	o-Cresol / 2-Cresol / 2-Methylphenol	1,2-Dichtorobenzene	2-Chlorophenol	2,4,5-Trichlorophenol	Nitrobenzene / Essence of mirbane /	Oil of mirbene	3-Nitrosniline
J Date Range:	CAS No.	:	606-20-2	621-64-7	67-72-1	77-47-4	78-59-1	83-32-9	84-66-2	84-74-2	85-01-8	85-68-7	86-30-6	86-73-7	8-74-8	2-07-20	0-00-70	1 10	87-86-5	88-06-2	7-72-88	88-75-5	91-20-3	91-57-6	91-58-7	91-94-1	95-48-7	95-50-1	95-57-8	95-95-4	98-95-3		2-60-66
Sampling D	Meth/ Matrix		SMV2/S																														
	Lab Lab Anly. No.		RL 52678-08																														
	••		96-AON-61																														
		: `	• •																														
	Field Sample No.		SLEUZUIA																														
	Site ID	66-1 5-03	33 - 15 - 05																														

Unknown compound 630 Unknown compound 637 Unknown compound 659

990 - 000

4-Bromophenyl phenyl ether 4-Chlorophenyl phenyl ether Unknown compound 551 Unknown compound 554 Unknown compound 606 Unknown compound 614 Unknown compound 615 Unknown compound 615 Unknown compound 615

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO 28-JAN-97

	EPA Data Quals																																		
	Data Quals	! ! !																									,								
	Unit Flag Meas Codes	v 25U	v 55U	V 2011	A9 2911	> 500 1000	> 250 000	> 550	NG 0	A 550	V 25U	V 55U	UGG VB	_	-	UGG VB		V 55U	V DOU	V 50U	\ 000 \ \ 000	NGG V	NGG V	V 55U	A 550	V 55U	V 55U	A 550	NGG V	V 25U	^ 55U	> 550	V 250	N 990	v abu
	Me Bo Conc	,		1600 25	1		1.1 2	17.5	1 1	LT 5	LT 1	1.1	15300	23500	11500	869	25.4		17 2	LT 1000	8,99	20	13.1	34.1	72	8.79	74200	LT 3	LT 3	111	11 1	111	11	LT 1	LT 1
-75 28-JAN-97	Analyte Description	Unknown compound 663	Unknown compound 668	Dieser Lange Organics	line range organics		E) [JLY	nony	J.C.	lium	5	unu		sium	Inese	 -	sium	<u>.</u>	=	E	ica	t.	£.	5.		5	4-Nitroaniline	4-Nitrophenol	2,4-Dimethylphenol	p-Cresol / 4-Cresol / 4-Methylphenol	1,4-Dichlorobenzene	4-Chloroaniline	Bis(2-chloroisopropyl) ether	Phenol / Carbolic acid / Phenic acid / Phenylic acid / Phe
: 01-JAN-	Analy	Unkno	Unkno	ביים ה המש	Gasol ine	Selenium	Thallium	Mercury	Antimony	Arsenic	Beryllium	Cachmium	Aluminum	Iron	Magnesium	Manganese	Nickel	Potassium	Silver	Sodium	Barium	Chromium	Cobalt	Copper	Vanadium	Zinc	Calcium	4-Nit	4-Nit	2,4-D	p-Cre	1,4-0	4-chlo	Bis(2	Phenol
Date Range: 01-JAN-75	CAS NO.			7430-02-1		7782-49-2	7440-28-0	7439-97-6	7440-36-0	7440-38-2	7440-41-7	7440-43-9	7429-90-5	7439-89-6	7439-95-4	7439-96-5	7440-05-0	2440-09-7	7440-22-4	7440-23-5	7440-39-3	7440-47-3	7440-48-4	2440-20-8	7440-62-2	2440-99-9	7440-70-2	100-01-6	100-02-7	105-67-9	106-44-5	106-46-7	106-47-8	108-60-1	108-95-2
Sampling	Meth/ Matrix	SMV2/S	9/ 000	GPB1/S	GRO /S	GSE1/S							1CP1/S							•	•	• -	•					SMV2/S	•	•	•	•	•		
	Lab Anly. No.	52678-08	52478-13																																
	Lab A	귊	ă																																
	Sample Date	19-NOV-96	1.0 10-MUV-0K																																
	Depth	1.0	-	<u>:</u>																															
	Field Sample No.	SLE0201X	SMOUTUTX																																
	Site 1D	SS-LE-02	SS-M9-01	; :																															

990 090 090 090 090 090 0

55555

Bis(2-ethylhexyl) phthalate Di-n-octyl phthalate

111-91-1 112-95-8 117-81-7 117-84-0 118-74-1 120-12-7

Hexachlorobenzene

Anthracene

1,2,4-Trichlorobenzene

ここ

Bis(2-chlorolsopropyl) ether Phenol / Carbolic acid / Phenic acid / Phenylic acid / Phe* Bis(2-chloroethyl) ether Bis(2-chloroethoxy) methane Eicosane

111-44-4

See Data Dictionary * - Analyte Description has been truncated.

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75

Field Sample No.

Site Site
Type ID
....
PLUG SS-M9-01

28-JAN-97

;	••		Lab	Meth/			<u>a</u>	Unit Flag	C 4	EDA Date
. Depth	Date	פ	Lab Anty. No.	Matrix	CAS No.	Analyte Description			Quals	Quals
1.0	_	굺	52678-13	SMV2/S	120-83-2	2,4-Dichlorophenol		NGG V	:	
					121-14-2	2,4-Dinitrotoluene	1 1	> 000 000		
					129-00-0	Benzo [def] phenanthrene / Pyrene	LT 1	> 55U		
					131-11-3	Dimethyl phthalate	LT 1	A 550		
					132-64-9	Dibenzofuran		^ <u>99</u> 0		
					191-24-2	Benzo [ghi] perylene	LT 2	> 990		
					1921-70-6	2,6,10,14-Tetramethylpentadecane	0	SA DOO		
					193-39-5	Indeno[1,2,3-C,D]pyrene	17 2			
					205-99-2	Benzo[b]fluoranthene / 3,4-		> 250 100		
						Benzofluoranthene		-		
					206-44-0	Fluoranthene	11 1	7 251		
					207-08-9	Benzo [k] f luoranthene	11.2	> >		
					208-96-8	Acenaphthylene		200		
					218-01-9	Chrysene	- -			
					50-32-8	Benzo [a] ovrene				
					51-28-5	2.4-Dinitrophenol				
					53-70-3	Dibenziahlanthracene / 12:5 6-	; <u>-</u>	> >		
						Dibenzanthracene				
					534-52-1	4.6-Dinitro-2-cresol / 2-Methyl-4 4-	7 11	7		
						dinitrophenol				
					541-73-1	1.3-Dichtorobenzene	111	7 331		
					5-92-795	Zerechone	; - ÷			
					56-55-3	Renzolalenthracena	≥.			
					KO-KO-7		- ·	> 200		
					1-06-46	S-methyl-4-chlorophenol / 4-Chloro-3-	LT 1	NGG V		
					E-37-203	Other Carolina - Carol	•			
					273-43-3	Octadecane	•			
							~	OSA DOO		
					2-02-909	2,6-Dinitrotoluene	11 1			
					621-64-7	N-Nitrosodi-n-propylamine	11	> 990		
					629-50-5	Tridecane	6	SA 590		
					9-65-679	Tetradecane	٥			
					629-78-7	Heptadecane	6			
					629-92-5	Nonadecane	•			
					629-94-7	Heneicosane	· 10			
					638-67-5	Tricosane / n-Tricosane	• •	SA 991		
					67-72-1	Hexachloroethane				
					7-27-22	Hexach Lorocyc Lopentadiene		_		
					78-59-1	Isophorone		> > 9917		
					83-32-9	Acenaphthene		> > 1911		
					84-66-2	Diethyl phthalate	-	> > 9911		
					84-74-2	Di-n-butyl phthalate		> > 551		
					85-01-8	Phenanthrene		> > 991		
					85-68-7	Butvibenzyi phthalate	· -	• • • • • • • • • • • • • • • • • • •		
					86-30-6	N-Witrosodizhenviamine		> 2		
					1		-	> 250		

* - Analyte Description has been truncated. See Data Dictionary

28-JAN-97

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO

							Sampling		File Type: CSO Date Range: 01-JAN-75 28-JAN-97				
Site	Site	Field	;	Sample		Lab	Meth/			į	:		
- X	≘ ;	sample No.	Depth	Date	Lab	Lab Anly. No.	Matrix		Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data	EPA Data
PLUG	SS-M9-01	SM90101X	1.0	19-NOV-96		52678-13	SMV2/S	86-73-7					2100
					!				Corbozolo / On Cartain	LT 1	NGG V		
								87-68-3	Hexachlorokutediene / ussachlorokute				
)	butadiene	[]	NGG V		
								87-86-5	Pentachlorophenol	1 1			
								88-06-2	2,4,6-Trichlorophenol	; <u>-</u>	> 200 200		
								88-74-4	2-Nitroaniline	- 1			
								88-75-5	2-Nitrophenol				
								91-20-3	Naphthalene / Tar camphor	11 7			
								91-57-6	2-Methylnaphthalene	-			
								91-58-7	2-Chloronaphthalene	11			
								91-94-1	3,3'-Dichlorobenzidine	LT 3			
								95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	11 1			
								75-50-1	1,2-Dichlorobenzene	11			
								72-27-8	2-chlorophenol	11 1	V 55U		
								4-05-05	2,4,5-Trichlorophenol	LT 3			
								98-95-3	Nitrobenzene / Essence of mirbane /	11	A 550		
									Oil of mirbane				
								2-60-66	3-Nitroaniline	11 3	v 59U		
									4-Bromophenyl phenyl ether	111	> > 991		
									4-Chlorophenyl phenyl ether	-	> > 990 1		
									Unknown compound 539		an 991		
										. 10			
										m	_		
										m	> > SSO		
										7	A 550		
										ľ	^ 990		
									Unknown compound 580	2	> 550		
										۰,	UGG VBD		
									compound	m			
									compound	•	> 550		
										-	V 550		
										-	^ 59n		
									Unknown compound 623	-	NGG VB		
	SS-WW-01	SWW0102X	2.0 1	2.0 19-NOV-96	7	52678-10	DRO /S		Columnation of the Columnation o	- ;	UGG VBD		
								7439-92-1	Lead	9. (2			
									line range organics		NGG BV		
								7782-49-2		.	> 500 - 500		
								7440-28-0		- 6-1	\ 990 \ 391		
							HGC1/S	7439-97-6		. LT .2	^ 990 000		
								7440-56-0		LT 1	> 050		
								7440-30-2	Arsenic Recoll in	LT 5	v 22U		
* - Ana	- Analyte Description has	ofion has hea	+	F 4 1		•					NGG V		

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75

						Sampling	ig Date Range: 01-JAN-75	01-JAN-75 28-JAN-97				
Site	Site	Field		Sample	Lab	Meth/			á			
Type	2	Sample No.	Depth	Date	Lab Anly. No.	_	CAS No.	Analyte Description	Bo Conc	Meas Codes	Data	CPA Data
			:		•	:				2000	0100	SIRO
PLUG	SS-MM-01	SW0102X	2.0	19-NOV-96	RL 52678-10			Cadhium		>) 	
						ICP1/S		Atuminum	26300	A 201		
							7439-89-6	Iron	70000			
							7439-95-4	Magnesfum	15300	_		
							7439-96-5	Manganese	1100	900		
							7440-02-0	Nickel	8.9%			
							2440-09-7	Potassium	3410	> 250		
							7440-22-4	Silver		> 950		
							7440-23-5	Sodium	1000	> 550		
							7440-39-3	Barica		7 990		
							7440-47-3	Chromium	49.2	> 201		
							7440-48-4	Cobalt	24.5	_		
							7440-50-8	Copper	53.7	-		
							7440-62-2	Vanadium	128	-		
							2440-66-6	Zinc	69.2	-		
							7440-70-2	Celcium	38500			
						SMV2/S	100-01-6	4-Nitroaniline	LT .8			
							100-02-7	4-Nitrophenol	8.			
							105-67-9	2,4-Dimethylphenol				
							106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol				
							106-46-7	1,4-Dichlorobenzene				
							106-47-8	4-Chloroeniline				
							108-60-1	Bis(2-chloroisopropyl) ether		> > 995		
							108-95-2	Phenol / Carbolic acid / Phenic acid				
								/ Phenylic acid / Phe*				
							111-44-4	Bis(2-chloroethyl) ether	11 11	7 201		
							111-91-1	Bis(2-chloroethoxy) methans				
							117-81-7	Bis(2-ethylhexyl) phthalate		> >		
							117-84-0	Di-n-octyl phthelete				
							118-74-1	Hexachlorobenzene				
							120-12-7	Anthracene				
							120-82-1	1,2,4-Trichlorobenzene				
							120-83-2	2,4-Dichlorophenol				
							121-14-2	2,4-Dinitrotoluene				
							129-00-0	Benzo[def]phenanthrene / Pyrene				
							131-11-3	Dimethyl phthalate				
							132-64-9	Dibenzofuran	17 .33			
							191-24-2	Benzo[ghi]perylene				
							193-39-5	Indeno[1,2,3-C,D]pyrene				
							202-66-502	Benzo(b) fluoranthene / 3,4-		NGG V		
							0.11.400					
							207-08-9	r tuorentnene Benzofkiftuorenthene	11 .33			
							208-96-8	Acenaphthylene	11 .33	> > 900		
*	alvte Decriptio	intion has be		7 003								

^{* -} Analyte Description has been truncated. See Data Dictionary

28-JAN-97

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75

Depth

Field Sample No.

Site Site
Type ID
---PLUG SS-WW-01

			sampi ing	Date Range: 01-JAN-75	01-JAN-75 28-JAN-97				
Sample Date	Lab Aniv No	Lab	Meth/	O NO			Unit Flag	Data	EPA Data
					Analyte Description		Meas Codes	Quats	Quals
19-NOV-96		52678-10	SMV2/S	218-01-9	Chrysana			:	
				50-32-8	Renzofellavrena				
				51-28-5	2 4-Dinitrophenol				
				53-70-3	Dibenziahlanthracena / 10.5 4.	2 ·			
					Dibenzanthracene		\ 990		
				534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4.6-	1.1.1	A 9911		
				1	dinitrophenol				
				541-73-1	1,3-Dichlorobenzene	17 . 33	A 9911		
				56-55-3	Benzo (a) anthracene				
				59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-		> 2000 2000 2000 2000 2000 2000 2000 200		
					3-E*				
				606-20-2	2,6-Dinitrotoluene	LT .33	V 3311		
				621-64-7	N-Nitrosodi-n-propylamine				
				67-72-1	Hexachloroethane	17 .33	^ 99H		
				4-44-4	Hexachlorocyclopentadiene				
				78-59-1	Isophorone	LT .33			
				83-32-9	Acenaphthene		> > 99H		
				84-66-2	Diethyl phthalate		^ 99H		
				84-74-2	Di-n-butyl phthalate				
				85-01-8	Phenanthrene	17 .33			
				85-68-7	Butylbenzyl phthalate				
				86-30-6	N-Nitrosodiphenylamine				
			-	86-73-7	Fluorene / 9H-Fluorene				
			-	86-74-8	Carbazole / 9H-Carbazole				
				87-68-3	Hexachlorobutadiene / Hexachloro-1,3-				
				1	butadiene				
				87-86-5	Pentachlorophenol	11.8	۸ عا۱۱		
				88-06-2	2,4,6-Trichlorophenol				
				88-74-4	2-Nitroaniline				
				88-75-5	2-Nitrophenol				
				91-20-3	Naphthalene / Tar camphor				
			٠ (9-75-16	Z-Methylnaphthalene				
			. (7-28-1	Z-Chloronaphthalene				
			,	>47	5,3'-Dichlorobenzidine		A 550		
			<i>-</i> (7-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	LT .33	-		
			~ (95-50-1	1,2-Dichlorobenzene				
			~ ·	75-57-8	2-Chlorophenol				
			~ (75-95-4					
			.	78-95-3	Essence of mirbane /		> 200 000		
			•	00-00					
			^	7-60-6			^ 55U		
						1. 33			
					acue.				
4						D	066 VB		

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO 28-JAN-07

	EPA Data Quals											
	Date Quals	:										
	Unit Flag Meas Codes	NGG VB	av 550								> 99n	NGG V
	Me Bo Conc	-	۷.	w.	'n	7	m.		~	9 E -2	-	۲.
28-JAN-97	ription	ound 551	909 puno	ound 614	ound 615	ound 623		ornd 630	ound 637	onud 640	0 99 pun c	ound 671
01-JAN-75	Analyte Description	Unknown compound 551	Unknown comp	Unknown comp	Unknown comp	Unknown comp		Unknown comp	Unknown comp	Unknown compound 640	Unknown comp	Unknown compound
Date Range: 01-JAN-75	CAS No.											
Sampling	Meth/ Matrix	SMV2/S										
	Lab Anly. No.	RL 52678-10										
	Sample Depth Date	19-NOV-96										
	Depth	2.0										
		SW0102X										
	Site ID	SS-M-01										
	Site Type											

^{**} End of Report - 626 Records Found **

SOIL BORINGS - SUBSURFACE SOIL

ABB Environmental Services, Inc.

W001976APP 9890-05

Site	Field		Sample	Lab		eth/			¥		4-4	
	Sample No.	Depth	Date	-		Matrix C/	CAS No.	Analyte Description	Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data Quals
	B080112X	12.0	19-NOV-96	RL 5267	52678-01 DRC	DRO /S	77.20 02 4	Diesel range organics			:	:
					28		1-24-46+	Lead Gasoline range organics	2.55	UGG BV		
					GSE		782-49-2	Selenium		> 290		
					GTL	GTL1/S 74	7440-28-0	Thallium	- 12			
					ĦĞ	•	2439-97-6	Mercury		> > 990		
					2	ICM1/S 74	7440-36-0	Antimony	. 2.	> ngg		
						2	7440-38-2	Arsenic		> 550		
						≈ i	140-41-7	Beryllium	.316	N 550		
							7440-43-9	Cadmium	LT .2	N 990	,	
					2	ICP1/S 74	7429-90-5	Atuminum	25400			
						7	7.70-90-4	101	24300			
						ζ.	0-40-45	ורסח	51000			
						74	7439-95-4	Magnesium	15.00 10.50	06G VB		
									18200			
						7.4	439-96-5	Manganese	957			
						i	;		973			
						% i	7440-02-0	Nickel				
						2	7-60-05	Potassium	LT 1000	NGG V		
						2	7.60-03%			NGG V		
							4-33-04			7 ngg		
						7	7440-23-5	Sodium	44.1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
									1350	> > Pgg		
						74	740-39-3	Barium	196	^ 550 000		
						ì	!		152	A 550		
						2 2	6-74-044	Chromitm	62.8	A 550		
						ŧ	40-40-4	CODALT	54.4	7 DDU		
						74.	40-50-B	- Contract	G:	7 550 OGG V		
						2	40-62-2	Vanadica	48.5	> 500 000		
						74.	9-99-05	Zinc	36. 8 09	> 201		
						7.	7440-70-2	Calcium	14000	> 250		
						•			31300	\ 050		
					SMV2/S			4-Nitroaniline	LT .8	V 55U		
						Ď.		4-Nitrophenol		v 55U		
						<u> </u>	6-79-50	2,4-Dimethylphenol	LT .33	v 55U		
						<u> </u>		p-Cresol / 4-Cresol / 4-Methylphenol		7 99 0		
						2 6		1,4-Dichlorobenzene 4-Chlorobniline	LT .33	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
						֓֞֞֝֟֓֓֓֟֓֓֓֟֟֓֓֓֓֟֟֓֓֓֟֟֓֓֓֟֓֓֓֓֟֓֓֓֟֟֓֓֓֟֓֓֓֟֓֓֓֟֓֓֟֓֓֓֟֓֓	1-40-1			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
						2 5	108-05-1	Dhene! / Ca-bella and A Phone	LT .33	NGG V		
						2	3	/ Dhamiling and / Phenic acid	LT .33	\ 000		
								/ בוובנות וור סרום / בנופ::				

^{* -} Analyte Description has been truncated. See Data Dictionary

Field Sample No. BO80112X

Site Site
Type ID
....
BORE SB-08-01

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75

28-JAN-97

Data EPA Data Quels Quels	•																																								
Unit Flag De Meas Codes Qu		• > 990 000	> 990	v 55U	A 990	A 550	^ 55U	^ 950	> 201	> > 990	v 550	> > SSD	· > 991	> > 990	> 200 200		V 200	> 500	A 590	-			-		NGG V			> 500 > 500	> 2000	> 2011	> > SS =	> > 991	· > 201	^ 99n	^ 250		- > 99E	> 000 000	> > 551	> > SSC	
Me Bo Conc	11 .33	11 .33					LT .33		11 .33	17 .33							11 .33	11.5	11 .33		LT .33	LT .8	11 .6		111			55. [1		11 .33							1		11		
Analyte Description	Bis(2-chloroethyl) ether	Bis(2-chloroethoxy) methane	Bis(2-ethylhexyl) phthalate	Di-n-octyl phthalate	Hexachlorobenzene	Anthracene	1,2,4-Trichlorobenzene	2,4-Dichlorophenol	2,4-Dinitrotoluene	Benzo[def]phenanthrene / Pyrene	Dimethyl phthalate	Dibenzofuran	Benzo [gh i] pery i ene	Indeno[1,2,3-C,0]pyrene	Benzo[b]fluoranthene / 3,4-	Benzofluoranthene	Fluoranthene	Benzo [k] f Luoranthene	Acenaphthylene	Chrysene	Benzo [a] pyrene	2,4-Dinitrophenol	Dibenz (ah) anthracene / 1,2:5,6-	Dibenzanthracene	4,6-Dinitro-2-cresol / 2-Methyl-4,6-	dinitrophenol		3-Methyl-4-chlorophenol / 4-chloro-4-	- E-N	2,6-Dinitrotoluene	N-Nitrosodi-n-propylamine	Hexachloroethane	Mexachlorocyclopentadiene	Isophorone	Acenaphthene	Diethyl phthalate	01-n-butyl phthalate	Phenanthrene	Butylbenzyl phthalate	N-Nitrosodiphenylamine	Flinster / Ou. Flinster
CAS No.	111-44-4	111-91-1	117-81-7	117-84-0	118-74-1	120-12-7	1-28-021	120-83-2	121-14-2	129-00-0	131-11-3	132-64-9	191-24-2	193-39-5	205-99-2		206-44-0	207-08-9	2-96-202	218-01-9	20-25-00	51-28-5	53-70-3		534-52-1	241-77-1	24.55.1	59-50-7		606-20-2	621-64-7	67-72-1	7-47-4	78-59-1	83-32-9	84-66-2	84-74-2	85-01-8	85-68-7	96-30-6	94.77.7
Meth/ Matrix	SMV2/S																																			_		_	_	_	_
Lab Lab Anly. No.																																									
Sample Date	19-NOV-96																																								
	=																																								

^{* -} Analyte Description has been truncated. See Data Dictionary

28-JAN-97

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75

EPA Data	•																																										
Data																																											
Unit Flag			-	^ 59N	V 55U	V 000								7 99N	:	N 550	A 990	NGG V	V 000	UGG VB					UGG VBD	UGG VB		UGG BV	A 550	> 59n	NGG V	NGG v	v 200	A 550	A 550	A 550	UGG VB	-		av 550	V 000	^ 55U	\ 990
Me Ro Conc	::5		-			LT .33								LT .33			LT .33	.33	9 E -2	•9		8 E -2	۲.	4	.2	_	LT 4	2.13	LT .5	L . 1		1.2	LT .2	2.32	.428	LT .2	24300	40700	17800	1410		LT 1000	LT 2
Analyte Description	Hexachlorobutadiene / Hexachloro-1,3-	butadiene Pentachlorophenol	2,4,6-Trichlorophenol	2-Nitrogniline	2-Nitrophenol	Naphthalene / Tar camphor	2-Methylnaphthalene	2-Chloronaphthalene	3,3'-Dichlorobenzidine	o-Cresol / 2-Cresol / 2-Methylphenol	1,2-Dichlorobenzene	2-Chlorophenol	2,4,5-Trichlorophenol	Nitrobenzene / Essence of mirbane /	Vil of mirbane Z-Withonilin		•	4-Chlorophenyl phenyl ether			compound		Unknown compound 615	Unknown compound 623		Unknown compound 637	Ulesel range organics		Gasoline range organics	Selenium	ייייייייייייייייייייייייייייייייייייייי	Mercury	Antimony	Arsenic	Beryllium	Cachrium	Aluminum	Iron	Magnesium	Manganese	Nickel	Potassium	Silver
CAS No.	87-68-3	87-86-5	88-06-2	88-74-4	88-75-5	91-20-3	91-57-6	91-58-7	91-94-1	2-87-56	95-50-1	95-57-8	95-95-4	98-95-3	00-00	77-07-6											7/.70-02-1	1-24-45-1	4	7-65-7911	0-97-055/	459-97-0	7440-36-0	7-86-046/	7-14-0447	7440-43-9	7429-90-5	7439-89-6	7439-95-4	7439-96-5	0-20-05-0	7-60-05-7	7440-22-4
Meth/ Matrix	SMV2/S																									9	CPB 1/8	0/0/0	S () ()	625.173	61118	27.72	ICM1/S				ICP1/S						
Lab Lab Anly. No.	RL 52678-01																									B1 E27.70	30-07036																
Sample Date	19-NOV-96																									12 0 10 NOV-06	06-A08-61																
Depth	12.0																									12.0	3																
Field Sample No.	B080112X																									ACRO212V																	
	BORE SB-08-01																									SR-08-02																	

* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75

	EPA Data	Quels	:																																										
	Data	onal s	:																																										
		_	, v	-	- > 201	_														A 990	> 990	A 990						> 990		7 990		^ 99N	NGG V	v 250		> > 990 900					> 250		v 220	١١٥ ٧	
	E e	So Conc	4500	169	8.87	26.2	56.2	131	67.7	13600	8. TJ			17 .33		11 .33	=			-	11 .33								11 .33			6. 11		LT .33	11 11	; <u>-</u>		1			١٦ .6		LT 1	11 .33	
ate Range: 01-JAN-75 28-JAN-97	Analyte Description			Barium	Chromium	Cobalt	Copper	Vanadium	Zinc	Celcium	4-Nitroaniline	4-Nitrophenol	2,4-Dimethylphenol	p-Cresol / 4-Cresol / 4-Methylphenol	1,4-Dichlorobenzene	4-Chloroaniline	Bis(2-chloroisopropyl) ether	Phemol / Carbolic acid / Phemic acid	/ Phenylic acid / Phe*	Bis(2-chloroethyl) ether	Bis(2-chloroethoxy) methane	Bis(2-ethylhexyl) phthalate	Di-n-octyl phthelete	Hexachlorobenzene	Anthracene	1,2,4-Trichlorobenzene	2,4-Dichlorophenol	2,4-Dinitrotoluene	Benzo[def]phenanthrene / Pyrene	Dimethyl phthalate	Dibenzofuran	Benzo [ghi] perylene	Indeno[1,2,3-C,0]pyrene	Benzo[b]fluorenthene / 3,4-	Fluoranthene	Benzo [k] fluoranthene	Acenaph thy lene	Chrysene	Benzo (a) pyrene	2,4-Dinitrophenol	Dibenz(sh) anthracene / 1,2:5,6-		4,6-Dinitro-2-cresol / 2-Methyl-4,6-	1,3-Dichlorobenzene	
Date Range:	CAS No.		7440-23-5	7440-39-3	7440-47-3	7440-48-4	7440-50-8	7440-62-2	2440-66-6	7440-70-2	100-01-6	100-02-7	105-67-9	106-44-5	106-46-7	106-47-8	108-60-1	108-95-2		111-44-4	1-16-111	117-81-7	117-84-0	118-74-1	120-12-7	120-82-1	120-83-2	121-14-2	129-00-0	131-11-3	132-64-9	2-42-161	193-59-5	7-AA-603	206-44-0	207-08-9	208-96-8	218-01-9	50-32-8	51-28-5	53-70-3		1-24-580	541-73-1	
Sampling D	Meth/ Matrix		1CP1/S								SMV2/S																					•	•	•	••	••		•••	•		•	•	•	•	
	Lab Lab Anly, No.		RL 52678-02																																										
	Sample Date	:	19-NOV-96																																										
	Depth	:	12.0																																										
	Field Sample No.		B080212X																																										
			SB-08-02																																										
	Site Type		BORE																																										•

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75 28-JAN-97

Depth

Field Sample No.

Site 1D ----SB-08-02

Site Type

			Sumprime	ig Date Kange: OI-JAN-73	Z8-JAN-17					
Sample	•	tab	Meth/	:		Æ		Unit Flag	Data	EPA Data
vate	Lab An	Lab Anty. No.	Matrix	CAS No.	Analyte Description	8		O	_	Quals
19-NOV-96	<u>~</u>	52678-02	SHV2/S	56-55-4	Benzofelenthrecene	: :			:	
		10 0	7	50-50-7	3-Mothyl - 1-chlosophonol / 1-chloso. 7-			200		
				-	cresol / 4-Chloro-3-m*		·	> 220		
				606-20-2	2.6-Dinitrotoluene	=	.33	7 251		
				621-64-7	N-Nitrosodi-n-propylamine	: =	.33	> 250 050		
				67-72-1	Hexachloroethane		.33			
				4-44-4	Hexachlorocyclopentadiene	Ξ	.33			
				78-59-1	Isophorone	=	.33			
			•	83-32-9	Acenaphthene	ב	.33	v 55U		
				84-66-2	Diethyl phthalate	ב	.33			
				84-74-2	Di-n-butyl phthalate		.33			
				85-01-8	Phenanthrene		.33			
				85-68-7	Butylbenzyl phthalate	ב	.33			
				86-30-6	N-Nitrosodiphenylamine		.33			
				86-73-7	Fluorene / 9H-Fluorene	-	.33			
				86-74-8	Carbazole / 9H-Carbazole	=	.33	NGG V		
				87-68-3	Hexachlorobutadiene / Hexachloro-1,3-	5	.33			
				;	butadiene					
				87-86-5	Pentachlorophenol	5	బ.	A 550		
				88-06-2	2,4,6-Trichlorophenol	5	.33	NGG v		
				88-74-4	2-Nitroaniline	=	€.	A 550		
				88-75-5	2-Nitrophenol		.33	UGG V		
				91-20-3	Naphthalene / Tar camphor		.33	7 550		
				91-57-6	2-Methylnaphthalene		.33	v 55U		
				91-58-7	2-Chloronaphthalene		.33	> 990		
				91-94-1	3,3'-Dichlorobenzidine		80	> 500		
				95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol		.33			
				95-50-1	1,2-Dichlorobenzene		.33	7 250		
				95-57-8	2-Chlorophenot		.33	NGG <		
				95-95-4	2,4,5-Trichlorophenol		∞.	7 550		
				98-95-3	Nitrobenzene / Essence of mirbane /		.33	V 55U		
				;	Oil of mirbane					
				2-60-66	3-Nitroaniline		æ.	v 55U		
					Ψ		.33	NGG V		
						_	.33			
						•	9	_		
								NGG v		
							9 E -2			
							ш	UGG VB		
					Unknown compound 606			9V 090	•	
					Unknown compound 615		7.			
					Unknown compound 623	•	9			
							7.	UGG VBD		

^{* -} Analyte Description has been truncated. See Data Dictionary

Site 1D ...-SB-08-02 SB-09-01

Site Type

				••	Sampling	File T Date Range: 01-JAN-75	File Type: CSO 28-JAN-97					
Field Sample No. De	Se Depth D	Sample Date	Lab Anl	Lab Lab Anly. No.	Meth/ Natrix	CAS No.	Analyte Description	Me G			Data	EPA Data
,	•	9-NON-96		52678-02	SMV2/S	:	Unknown common 437		. 60	. Ges	dual s	Ouals
		18-NOV-96	3 2	52678-14	DRO /S GPB1/S	7430-02-1	Diesel range organics	6.71	8 > 990 900			
					GRO /S		Gasoline range organice	2.92	78 BV			
					GSE1/S	7782-49-2	Selenius	 	> 250 000			
					GTL1/S	7440-28-0	Thattium	11 2	> >			
					TCM1/S	7459-97-6	Mercury	LT .2	> > 990 000			
					2	7440-38-2	Antimony	11	A 550			
						7440-41-7		5 1.	7 990 1			
						7440-43-9	Cadhium		> :			
					ICP1/S	7429-90-5	Aluminum	25200	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
						7439-89-6	Iron	33800	_			
						7439-95-4	Hagnes i um	20600	-			
						74.59-96-5	Manganese	846	9 990			
						7440-02-0	Mickel Dotatii	31.4	-			
						7440-22-4	Silver		> 990			
						7440-23-5	en ipos	11 1000	> 990			
						7440-39-3	Barica		> > 9 9 9			
					- •	7440-47-3	Chromium	36.6	> >			
					•	7-84-0+4/ 7-77-0-60-8	Cobelt	24.8	200			
					•	7440-62-2	Variation	55.2	> 990			
						9-99-05%	Zinc	114	> 990			
						2-02-075	Calcium	22300	> : 990			
				~ 1	SMV2/S	100-01-6	4-Nitroaniline	11 8	> > 999			
					•	100-02-7	4-Nitrophenol		> >			
					. •	05-67-9	2,4-Dimethylphenol		> > 990			
					•	106-44-7	P-Cresol / 4-Cresol / 4-Methylphenol		> 990			
					_	06-47-8	6-Chloropoiline		NGG V			
						108-60-1	Bis(2-chloroisopropy) ether	11 .33	> : 990			
					_	08-95-2	Phenol / Carbolic acid / Phenic acid		990 900			
					•	•	/ Phenylic acid / Phe*		995			
					- •	11-44-4	Bis(2-chloroethyl) ether	11 .33	2011			
					- •	11-91-1	Bis(2-chloroethoxy) methane		> > 990			
					- •	17-61-7	Bis(2-ethylhexyl) phthalate		> 990			
						17-54-0	Di-n-octyl phthalate		> > 000			
						20-12-7	Anthorna or openzene		> 990			
					• 🚅	20-82-1	1.2.4-Trichlorobenzene	11 .33	> 990 000			
					- •	120-83-2	2,4-Dichlorophenol		> > 990			
					-	2-41-17	2,4-Dinitrotoluene	11 .33	> > 295			
ption has been tru	trincate	20 000 T	40.50	1.200.1								

* - Analyte Description has been truncated. See Data Dictionary

9 -

28-JAN-97

Field Sample No. 1

Site ID SB-09-01

Site Type

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75

•		Sample Date	Lab /	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	E G	Unit Flag Meas Codes	Data Quals	EPA Data Quals
: ×	12.0	18-NOV-96	4	RL 52678-14		129-00-0	Benzo [def] phenanthrene / Pyrene		990	, -	! ! !	1 1 1 1 1
						131-11-3	Dimethyl phthalate	LT .33	990	> >		
						1410-10-0	Undergotter an		550	> >		
						0-01-0101	1.3.5-triazine / Primato*	36.				
						191-24-2	Benzofahilberylene	9, 11	990	>		
						193-39-5	Indeno[1,2,3-C.D]pvrene	17 .5	990			
						205-99-2	Benzo[b] fluoranthene / 3,4-		nec			
							Benzofluoranthene					
						206-44-0	Fluoranthene		990			
						207-08-9	Benzo [k] fluoranthene		DON			
						208-96-8	Acenaphthylene		DOO	>		
						218-01-9	Chrysene	LT .33	990			
						50-32-8	Benzo [a] pyrene		990	>		
		-				51-28-5	2,4-Dinitrophenol		ออก			
						53-70-3	Dibenz[ah]anthracene / 1,2:5,6-	LT .6	กดิด	>		
							Dibenzanthracene					
						534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-	LT 1	990	>		
							dinitrophenol					
						541-73-1	1,3-Dichlorobenzene		990			
						56-55-3	Benzo [a] anthracene		990			
						59-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-	LT .33	DON	>		
							cresol / 4-Chloro-3-m*					
						606-20-2	2,6-Dinitrotoluene	LT .33	ออก	>		
						621-64-7	N-Nitrosodi-n-propylamine	LT .33	990	>		
						67-72-1	Hexachloroethane		990	>		
						4-24-22	Hexachlorocyclopentadiene		990			
						78-59-1	Isophorone	11 .33	990			
						83-32-9	Acenaphthene		990			
						84-66-2	Diethyl phthalate		กิดด			
						84-74-2	Di-n-butyl phthalate	LT .33	ออก	>		
						85-01-8	Phenanthrene	LT .33	990			
						85-68-7	Butylbenzyl phthalate		DON			
						86-30-6	N-Nitrosodiphenylamine		990	>		
						86-73-7	Fluorene / 94-Fluorene	LT .33	990			
						86-74-8	Carbazole / 9M-Carbazole		990			
						87-68-3	Hexachlorobutadiene / Hexachloro-1,3-		ออก			
							butadiene					
						87-86-5	Pentachlorophenol		990			
						88-06-2	2,4,6-Trichlorophenol		990			
						88-74-4	2-Nitroaniline	LT .8	ngg			
						88-75-5	Z-Nitrophenol		990			
						91-20-3	Naphthalene / Tar camphor	•	nee	> :		
						91-57-6	2-Methylnaphthalene	LT .33	ออก	>		

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report	nstallation :Fort Allen, Puerto Rico (FN)	
Fi	Instal	

						Sampling	ng Date Rang	File Type: CSO Date Range: 01-JAN-75	SO 28-JAN-97					
Site Type	Site 1D 	Field Sample No.	Depth 12.0	Field Sample Sample Sample No. Depth Date B090112X 12.0 18-NOV-96	Lab Anly. No. H	Meth/ Matrix	X CAS No.	Analyte Description	ption	Me Bo Conc LT ,33	Unit Flag Meas Codes	Date Quals	EPA Data Quels	

•		:			2	Analyte Description		Meas	Meas Codes
12.0	18-NOV-96	ā	52678-14	SWV2/C	01.58.7			:	:
		!			01-02-1	2 2 mioronapartnalene	LT .33	990	>
					7 0 7 10	3,3'-Uichlorobenzidine		99N	>
					7-04-04	o-cresol / 2-cresol / 2-Methylphenol	LT .33	5 90	>
					1-05-54	1,2-Dichlorobenzene	LT .33	990	>
					95-57-8	2-Chlorophenol	LT .33	990	· >
					82-82-4	2,4,5-Trichlorophenol	8, 11	991	. >
					98-95-3	Mitrobenzene / Essence of mirbane /		35	· >
						Oil of mirbane		3	•
					8-00-5	3-Witroaniline		ออก	>
						4-Bromophenyl phenyl ether	11 .33	990	· >
						4-Chlorophenyl phenyl ether	LT .33	995	· >
						Unknown compound 537		991	· >
						punodino	~	990	. 5
							9 E -2	990	? >
						Unknown compound 549		991	. >
							· •	890	. <u>s</u>
							-	990	? >
						Unknown compound 614	٠,	3 2	. 5
						Unknown compound 615	į	9	9
						Unknown compound 623		3	2 9
							. >	5 5	
;						Unknown compound 637	: ₊		2 g
12.0	18-NOV-96	₹	52678-15	GRO /S		Gaso(fre range organics	. <u>.</u>		0 :
12.0		궅	52678-15	DRO /S		Diesel rende organice	· ·	3	> :
				GPB1/S	7439-92-1			3	> i
				GSE1/8	2782-40-2	1:20	1.7	990	>
				GT1 1/s	7440-28-0		ון .	990	>
				MGC1/6	7-20-02-7		11 2	990	>
				1741/6	0-14-454		11 .2	ยอก	>
				2	7440-30-0	Antimony	11	990	_
					7-05-044/	Argenic	11 5	990	
					- I + - O + 1/2	Beryllich	11	990	_
				1,001	77.30-00-8			995	_
				2/12	7, 20-02,7	ALCHING	20800	990	8
					7, 70, 05, 7		29800		5
					7,30.00	Magnes 1 Lm	16800	_	_
					74.79-70-5	Tengenese	2080		8
					7440-02-0	Mickel	34.3		· >
					7-60-09-7	Potassium	17 1000		_
					7440-22-4	Silver		99	_
					7440-23-5			9 9	• >
					7440-39-3	Barica		-	_
					7440-47-3	Chromium	× 2		_
					7440-48-4	Cobalt	2,72		
					7440-50-8	Copper	7.07	200	
						-		200	

BO90212X BO90212X

SB-09-02

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75

EPA Data	Quals						٠			
Data	Quats									
Unit Flag	Meas Codes	11111	V 55U	NGG V	v 550	v 550	V 55U	v 550	V 55U	V 25U
Æ	Bo Conc		95.4							
•	Analyte Description		Vanadium	Zinc	Calcium	4-Nitroaniline	4-Nitrophenol	2,4-Dimethylphenol	p-Cresol / 4-Cresol / 4-Methylphenol	1,4-Dichlorobenzene
:	CAS No.		7440-62-2							
Meth/	Matrix		1CP1/S			SMV2/S				
Lab Meth/	Lab Anly. No. Matrix		RL 52678-15 1CP1/S							
Sample Lab	Date Lab Anly. No.									
Sample Lab	Depth Date Lab Anly. No.		12.0 18-NOV-96							
Sample Lab	Depth Date Lab Anly. No.									
Sample Lab	Sample No. Depth Date Lab Anly. No.		12.0 18-NOV-96							

			:	: : :	:	
1CP1/S	7440-62-2	Vanadium	8	95.4	990	>
	2440-66-6	Zinc	5	٥.	99n	>
	7440-70-2	Calcium	æ	200	99n	>
SMV2/S	100-01-6	4-Nitroaniline		_	990	>
	100-02-7	4-Nitrophenol			990	>
	105-67-9	2,4-Dimethylphenol	E:	.33	990	>
	106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol		.33	990	>
	106-46-7	1,4-Dichlorobenzene		.33		>
	106-47-8	4-Chloroaniline		.33	วยก	>
	108-60-1	Bis(2-chloroisopropyl) ether		.33	99n	>
	108-95-2	Phenol / Carbolic acid / Phenic acid	L3	.33	990	>
		/ Phenylic acid / Phe*				
	111-44-4	Bis(2-chloroethyl) ether		.33	ออก	
	111-91-1	Bis(2-chloroethoxy) methane	LT .33	ы	990	_
	117-81-7	Bis(2-ethylhexyl) phthalate	.58	∞	990	_
	117-84-0	Di-n-octyl phthalate	.5		990	_
	118-74-1	Hexachlorobenzene	11 .33	ស	990	_
	120-12-7	Anthracene		ĸ	990	_
	120-82-1	1,2,4-Trichlorobenzene	LT .33	Ŋ		>
	120-83-2	2,4-Dichlorophenol	11 .33	13	990	>
	121-14-2	2,4-Dinitrotoluene		10		>
	129-00-0	Benzo[def]phenanthrene / Pyrene	LT .33	M	090	>
	131-11-3	Dimethyl phthalate	11.3	W		>
	132-64-9	Dibenzofuran	LT .33	m		>
	191-24-2	Benzo[ghi]perylene	LT .6		090	>
	193-39-5	Indeno[1,2,3-C,D]pyrene				>
	202-66-502	Benzo[b]fluoranthene / 3,4-	11 .33	3	7 990	_
		thene				
	506-44-0	Fluoranthene		₩.	990	_
	207-08-9	Benzo [k] fluoranthene			250	_
	208-96-8	Acenaphthylene	LT .33	M		>
	218-01-9	Chrysene	LT .33	2		
	50-32-8	Benzo[a]pyrene	1.3	~	990	>
	51-28-5					
	53-70-3	Dibenz[ah]anthracene / 1,2:5,6-	11 .6		7 290	>
		Dibenzanthracene				
	534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-	LT 1		\ 990	>
	!	dinitrophenol		ĺ		
	541-73-1	1,3-Dichlorobenzene		∞		>
	56-55-3		LT .33	m		>
	29-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-	13	m	7 990	_
	;	cresol / 4-Chloro-3-m*				
	606-20-2	2,6-Dinitrotoluene	LT .33	m	\ 990	_
	621-64-7	N-Nitrosodi-n-propylamine		m	\ 990	

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation : Fort Allen, Puerto Rico (FN)

	EPA Data	greats																																		
	Data	Sign																																		
	Unit Flag		A 990	> : 000	> : 990	> > 950	200	> 2		> : 290			> : 990	> 990	:	> 990	> 990	> 990	> 550 000	> 550 250	> : 990	> : 000	> :	> >	> >	> >	9 000	> 990	3	990	990	> 350 350	- !	9 20 20 20 20 20 20 20 20 20 20 20 20 20	_	> > 000
	Me Bo Conc		L1 :33		; <u>:</u>		: L	; :					ב כ	3		0. 5.		e :	55. 1.										«		: E		. £	u		J
File Type: CSO Date Range: 01-JAN-75		Z S X S C C C C C C C C C C C C C C C C C	Hexach lorocyclopentadiana	Isophorone	Acenaphthene	Diethyl phthalate	Di-n-butyl phthalate	Phenanthrene	Butylbenzyl phthalate	N-Nitrosodiphenylamine	Fluorene / 9M-Fluorene	Carbazole / 9H-Carbazole	Hexachlorobutadiene / Hexachloro-1 1.	butadiene	Pentachlorophenol	2,4,6-Trichlorophenol	2-Witrosniline	2-Witrophenol	Naphthalene / Ter camphor	2-Methylnaphthalene	2-Chloronachthalene	3,3'-Dichlorobenzidine	o-Cresol / 2-Cresol / 2-Methylphemol	1,2-Dichlorobenzene	2-Chlorophenol	2,4,5-Trichlorophenol	Mitrobenzene / Essence of mirbane /	Oil of mirbere	3-Nitroaniline	4-Bromophenyl phenyl ether	4-Chlorophenyl phenyl ether	Unknown compound 537	Unknown compound 539			Unknown compound 548
Sampling Date Range	Meth/ Matrix CAS No.	SMV2/S 67-72-1	•	78-59-1	83-32-9	24-66-2	84-74-2	82-01-8	85-68-7	9-06-90	86-73-7	8-74-8	87-68-3		87-86-5	29 -98-	7-72-88	88-73-5	91-20-3	91-57-6	91-58-7	91-94-1	2-48-7	55-50-1	97-57-8	4.CX-CX	76-73-3	;	2-60-6							
S.	Lab Anly. No. M.	52678-15																																		
	Sample Date	18-NOV-96																																		
	6 '	12.0																																		
	Field Sample No.	B090212X																																		
	Si te	SB-09-02																																		

Unknown compound 549
Unknown compound 551
Unknown compound 596
Unknown compound 606
Unknown compound 614
Unknown compound 615
Unknown compound 615

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO

	EPA Data	S TOPA															•																											•
	Data																																											
	Unit Flag Meas Codes		UGG VB		200) 500 200	> 500 500	> 500 200	> > 550 0.00	200	7 221	> 000 000	A DOD			UGG VB	A 550	A 990	V DOU	V 55U	v 550	A 590	v pou	7 DOU	> 500	V 25U	N 990	V 55U	A 550	> 550 1	7 990) 100 V	> > 250 1100	^ 550	3	v 500	· > 551	> > 991	> 990 000	^ 550	NGG V	NGG V	N 990	7 DD0
	Me 80 Conc			1 4		 	- 6	, c			*.4 *01	17.2		37100	18500	614				LT 1000	156	46.5	22.1	55.9	124	58.9								LT .33			11 .33	11 33					33	LT .33
01-JAN-75 28-JAN-97	Analyte Description	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Unknown compound 637	Uleset range organics	Gasoline rande organice	Seienis and Control			Antimony	Arsenic	Servil ium	Cachium	Atuminum	Iron	Magnesium	Manganese	Nickel	Potassium	Silver	Sodium	Barium	Chromica	Cobalt	Copper	Vanadium	Zinc	Calcium	4-Nitroaniline	4-Nitrophenol	-	1 4-Dishlorsherson / 4-Metnylphenol	4-Chloroaniline	Bis(2-chloroisopropyl) ether	Phenol / Carbolic acid / Phenic acid	/ Phenylic acid / Phe*	Bis(2-chloroethyl) ether	Bis(2-chloroethoxy) methane	Bis(2-ethylhexyl) phthalate	Di-n-octyl phthalate	Hexachlorobenzene	Anthracene	1,2,4-Trichlorobenzene	2,4-Uichiophenol	בי ז- חווווו סוסותבום
Date Range: 01-JAN-75	CAS No.			7440-02-1		7782-49-2	7440-28-0	9-20-6272	7440-36-0	7440-38-2	7440-41-7	7440-43-9	7429-90-5	7439-89-6	7439-95-4	7439-96-5	7440-02-0	2-60-05-2	7440-22-4	7440-23-5	7440-39-3	7440-47-3	7440-48-4	7440-50-8	7440-62-2	9-99-055	7440-70-2	100-01-6	100-02-7	106-66-5	106-44-7	106-47-8	108-60-1	108-95-2		111-44-4	111-91-1	117-81-7	117-84-0	118-74-1	120-12-7	120-82-1	121-43-2	3 11 131
Sampling	Meth/ Matrix		SMVZ/S	GPR1/S	GRO /S	GSE1/S	GTL1/S	HGC1/S	1CM1/S	•			1CP1/S															S/Z/WS																
		-	52678-15 52678-05	2000																																								
	Lab		ž 5																																									
	Sample Date	, , , , , ,	18-NOV-96	2																																								
	Depth	; ;	12.0																																									
	Field Sample No.	20000	B090212X																																									
	Site ID	20-00-03	SB-09-03																																									

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO

	EPA Data	Quals																																				
	Data	Quals	:																																			
	Unit Flag	Meas Codes		- :	> :	> : 290 :	> : 0:00	> 990	> 000	:	> 990	> 990 0	> pgn	> 090		> > 991	> > > > > > > > > > > > > > > > > > > >	> 25	2	950	3			A 990	2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	> >	> >	> : : : : : : : : : : : : : : : : : : :	> :	9 9 9	> 200	> 200	> :	> 200	> :	> 3	> > 990 000
	E K	מס כסטכ						: :			SS: 13:		11 .33		L1 .33					- ;	17 71		; :	5	11 11	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		11 33										. E. 13
Date Range: 01-JAN-75 28-JAN-97	Analyte Description		Benzo[def]phenanthrene / Pyrene	Dimethyl phthalate	Dibenzofuran	Benzo(ghi) perviene	Indeno[1.2.3-C.Dlmvrene	Benzolbifluoranthana / 3 /.	Senzof Loranthene	Fluoranthene	Renzo (t) 41 constant				Benzo[a] pyrene	Z,4-Dinitrophenol	Dibenz (ah) anthracene / 1,2:5,6-	Dibenzanthracene	4,6-Dinitro-2-creso(/ 2-Methyl-4 6-	dinitrophenol	1,3-Dichlorobenzene	Benzo (a) anthracene	3-Methyl-4-chlorophenol / 4-chloro-3	cresol / 4-Chloro-3-m*	2,6-Dinitrotoluene	M-Witrosodi-n-propylamine	Mexachloroethane	Mexach lorocyclopentadiene	Isophorone	Acenephthene	Diethyl phthalate	Di-n-butyl phthelate	Phenanthrene	Butylbenzyl phthalate	M-Witrosodiphenylamine	Fluorene / 9M-Fluorene	Carbazole / 9M-Carbazole	Hexachlorobutadiene / Hexachloro-1,3-
	CAS No.		129-00-0	131-11-3	132-64-9	191-24-2	193-39-5	205-99-2		206-44-0	207-08-9	208-04-8	218-01-0	E0-73-6	30-36-6	2-97-10	53-70-3		534-52-1		541-73-1	56-55-3	59-50-7		2-02-909	621-64-7	57-72-1	7-41-4	78-59-1	33-32-9	X-68-2	4-74-2	15-01-8	15-68-7	9-30-9	86-73-7	6-74-8	17-68-3
Sampling	Meth/ Matrix		SMV2/S																						_	•	•	'		_	_	_	~	~	_	•		•
	Lab Lab Anly. No.		KL 526/8-05																																			
		10, 404, 04																																				
	_	12.0																																				
	Field Sample No.	ROOUT12X																																				
	Site TD	SB-09-03)																																			

 $\mathbf{e}_{\mathbf{i},\mathbf{k}}\mathbf{e}_{\mathbf{k},\mathbf{k}}\mathbf{k}\mathbf{k}\mathbf{k}\mathbf{k}\mathbf{k}$

Naphthalene / Tar camphor 2-Methylnaphthalene 2-Chloronaphthalene 3,3'-Dichlorobenzidine

2-Witrophenol

87-86-5 88-06-2 88-74-4 88-75-5 91-20-3 91-58-7 91-58-7

Pentachlorophenol 2,4,6-Trichlorophenol 2-Witroaniline

butadiene

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN)

	EPA Data Quals	
	Data Quals	
	Unit Flag Meas Codes	> 050 >
	Me Bo Conc	LT .33 LT .2 LT .2 LT .2 LT .2 LT .1000 LT .2 LT .2 LT .1000 LT
Date Range: 01-JAN-75 28-JAN-97	Analyte Description	o-Cresol / 2-Cresol / 2-Methylphenol 1,2-Dichlorobenzene 2-Chlorophenol 8,4,5-Trichlorophenol Nitrobenzene / Essence of mirbane / Oil of mirbane 3-Nitroaniline 4-Bromophenyl phenyl ether 4-Chlorophenyl phenyl ether 4-Chlorophenyl phenyl ether 4-Chlorophenyl phenyl ether 4-Chlorophenyl phenyl ether 6-Chlorophenyl phenyl ether 7-Chlorophenyl phenyl ether 8-Chlorophenyl phenyl ether 8-Copper 8-
	CAS No.	\$ 95-48-7 \$ 95-50-1 95-50-1 95-50-1 96-95-4 98-95-3 99-09-2 7440-28-0 7439-97-6 7440-41-7 7440-41-7 7440-41-7 7440-41-7 7440-41-7 7440-41-7 7440-41-7 7440-41-7 7440-41-7 7440-62-2 7440-10-2-1 7440-10-2-1 7440-10-2-1 7440-10-2-1 7440-10-2-1 7440-10-2-1 7440-10-2-1 7440-10-2-1 7440-10-2-1
Sampling	Meth/ Matrix	DRO /S GPB1/S GRE1/S GTL1/S GTL1/S ICM1/S ICM1/S
	Lab Lab Anly. No.	RL 52678-06
	Sample Date	18-NOV-96
	Depth	12.0
	Field Sample No.	B090412X
	Site ID	SB - 00-04 BC
	Site	

See Data Dictionary * - Analyte Description has been truncated.

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75

	EPA Data	8 187																																												
	Data Quals	2 :																																												
	Unit Flag Meas Codes		NGG V			> 990			> 50n		> > 350			-					> > 550				> >			> :				> >	> >		7 990		> 990		> > 990		> 551			> 990		A 550	^ 99N	^ 55U
	Me Bo Conc	:					LT .33		LT .33	11								} } }		; <u>-</u>					17 71					; -			11 1			11 .33			11 .33	11 .33			11 .33			11 .33
ate Range: 01-JAN-75 28-JAN-97	Analyte Description		p-tresol / 4-tresol / 4-Methylphenol	/ 4-Ulchioropenzene		BIS(2-chloroisopropyl) ether	Phenol / Carbolic acid / Phenic acid	/ Phemylic acid / Phe*	Bis(2-chloroethyl) ether	Bis(2-chloroethoxy) methane	Bis(2-ethylhexyl) phthalate	Di-n-octvi phthelate	Hexachiorobenzene	Anthracene	1.2.4-Trichlorobenzene	2.4-Dichlorophenot	2,4-Dinitrotoluene	Benzo [def] phenanthrene / Pyrene	Dimethyl phthalate	Dibenzofuran	Benzo [ah i] perviene	Indeno[1.2.3-C.D]pyrene	Benzo[b] fluoranthene / 3 4-	Benzofluoranthana	Fluoranthene	Benzo [k] fluoranthena	Acenarhthylene		Benzo (a) pyrene	2.4-Dinitrophenol	Dibenz [ah] anthracene / 1,2:5.6-	Dibenzanthracene	4,6-Dinitro-2-cresol / 2-Methyl-4,6-	dinitrophenol	1,3-Dichlorobenzene	Benzo [a] anthracene	3-Methyl-4-chlorophenol / 4-Chloro-3-	cresol / 4-Chloro-3-m*	2,6-Dinitrotoluene	N-Nitrosodi-n-propylamine	Mexachloroethane	Mexachlorocyclopentadiene	Isophorone	Acenaphthene	Diethyl phthalate	01-n-butyl phthalate
Date Range	CAS No.	A // 700	100-44-3	106-40-7 106-47-8	100-47-001	-00-001	108-95-2		111-44-4	111-91-1	117-81-7	117-84-0	118-74-1	120-12-7	120-82-1	120-83-2	121-14-2	129-00-0	131-11-3	132-64-9	191-24-2	193-39-5	205-99-2		206-44-0	207-08-9	208-96-8	218-01-9	50-32-8	51-28-5	53-70-3		534-52-1	. !	541-73-1	6-55-3	9-50-7		2-02-90	521-64-7	1-22-1	7-25-2	78-59-1	9-25-6	7-00-1	7-4)-4
Sampling D	Meth/ Matrix		S/34W6																						-				-	•			-	•			•,		•	•			•			0
		DI 52578-05																																												
	Sample Date	18-W0V-04																																												
	Depth	12.0																																												
	Field Sample No.	B090412X																																												•
	Site	S																																												
	Site Type	BORE																																												,

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO

						Sampling		File Type: CSO Date Range: 01-JAN-75 28-JAN-97				
e Site	Field Sample No.	Depth	Sample Date	Lab	Lab Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag	Data	EPA Data
, , , , ,	•	: :		:			:				SIEDE	wuats
30-60-08-	* BUYU412X	12.0	18-NOV-96	귛	52678-06	SMV2/S	85-01-8	Phenanthrene		>)))	: : : :
							85-68-7	Butylbenzyl phthalate		> 550 000		
							86-30-6	N-Nitrosodiphenylamine	LT .33			
							86-73-7	Fluorene / 9H-Fluorene		\ 000		
							80-74-8	Carbazole / 9H-Carbazole		V 000		
							67-08-3	Hexachlorobutadiene / Hexachloro-1,3-	=	V DDU		
							87-86-5	Dontack Contact				
							88-06-2	2 / 4-Trich conhom	æ. f	> 000 1		
							88-76-6	2,4,0-11 icii opnenoi				
							88-75-5	Z-Withophenol	E1 :9	> : 000		
							91-20-3	Nanhthalene / Ter cemphon				
							91-57-6	2-Methylnaphthalene	3.5	> 2 000		
							91-58-7	2-Chloronaphthalene		200		
							91-94-1	3,3'-Dichlorobenzidine	 			
							2-48-5	o-Cresol / 2-Cresol / 2-Methylphenol		-		
							95-50-1	1,2-Dichlorobenzene				
							95-57-8	2-Chlorophenol		_		
							95-95-4	2,4,5-Trichlorophenol		> > 990		
							98-95-3	Nitrobenzene / Essence of mirbane /		> > 9911		
							٠	Oil of mirbane		200		
							2-60-66	3-Nitroaniline	11 .8	١١٥٥ م		
								4-Bromophenyl phenyl ether	17 .33	> 200 Ngg		
								4-Chlorophenyl phenyl ether		^ 550		
								Unknown compound 539	ľ	NGG VB		
								Unknown compound 614	8 E -2			
								Unknown compound 615	۳.	UGG VB		
								Unknown compound 623	~			
									4.			
SB-M9-01	BM90112X	12.0	19-NOV-96	2	52678-03	2/ UNI		Diesel sesse compound 63/		UGG VB		
				!		GPB1/S	7439-92-1	Lead	7 08			
						GRO /S		Gasoline range organics		200		
						GSE1/S	7782-49-2	Selenium		200		
							7440-28-0	Thattium	- 11	> 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		
							7439-97-6	Mercury		> >		
						ICM1/S	7440-36-0	Antimony	7 7 7	> >		
							7440-38-2	Arsenic		> > SS =		
							7440-41-7	Beryllium	437	> > 990		
							2440-43-9	Cachnium	11.2	> > 991		
						ICP1/S	7429-90-5	Atuminum		UGG VB		
							7/20 05 /	Lon	46500	UGG VB		
							7.439-95-4	and new long	20400			
	•		,				000		961	UGG VB		

^{* -} Analyte Description has been truncated. See Data Dictionary

Site Site
Type ID
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BORE SB-M9-01

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO

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Sample No	4	Sample	del				e e	linit Flag	4	
campte no.	under .	vate	Lab Anty. No.	o. Matrix	C	e 0	Bo Conc		ouels Ouels	ouals
BM90112X	12.0	19-MOV-06			י י		:			
						Z CKel	33.7	\ 000		
					7-KD-D447	Potassium		A 990		
					7,10 01 2	SICVET	LT 2	> 99n		
					7440-23-5	Sodium	4520	> 990		
					7440-39-3	Barica	8	> 990		
					7440-47-3	Chromium	49.5	> 990		
					7-87-057	Cobalt	20.8			
					7440-50-8	Copper	19	> 201		
					7440-62-2	Vanadium	3 7			
					9-99-057	7 inc	9 5			
					7440-70-2	Calcin	98.4			
				SMV2/S	100-01-6	4-Witnessiline				
				•	100-02-7	4-Bitropherol	: ::			
					105-67-0	2 4.Dimethylatory				
					106-44-5	C.4-Ulmetinytynehot	1.33			
					106-44-7	4 / Pickle / Tresol / 4-Methylphenol				
					106-47-	1,4-UICHIODENZERE	11 .33			
					0-7-00-	4-Chioroanii ine		> 550		
					1.09-901	Bis(2-chloroisopropyl) ether		-		
					108-95-2	Phenol / Carbolic acid / Phenic acid	£ 1			
						/ Phemylic acid / Phe*		3		
					111-44-4	Bis(2-chloroethyl) ether	22	3		
					111-91-1	Bis(2-chloroethoxy) methans		> :		
					117-81-7	Bis (2-ethylbex) Abbbloto		990		
					117.84.0	Diete-empineral parameter		> 000 000		
					118-74-1			> 99n		
					10-14-1	HEXECTI OF ODERZENE		> 990		
					7-21-021	Anthracene		A 990		
					120-021	1,2,4-Trichlorobenzene	11 .33	> 950 0		
					120-83-2	2,4-Dichlorophenol	11 .33	> 990		
					121-14-2	2,4-Dinitrotoluene	11 .33			
					129-00-0	Benzo[def]phenanthrene / Pyrene				
					131-11-3	Dimethyl phthalate				
					132-64-9	Dibenzofuran				
					191-24-2	Benzo (ghí) pery lene				
					193-39-5	Indeno[1,2,3-C.D]pyrene				
					205-99-2	Benzolbifluoranthene / 3 4-		> :		
						Benzofluoranthene	cc. 13) 990 O		
					206-44-0	Flishene				
					207-08-9	Person of the first and the second se		> pgn		
					208-06-8	Benzo (K.) Tuorentnene				
					218-01-0	Acenaparaytene		> 99n		
					£10-01-y	CILYSENE		^ 550 ^		
					20-32-8	Benzo [a] pyrene		_		
					C-97-1C	Z,4-Dinitrophenol	e: 13			
					23-70-5	Dibenz (ah) anthracene / 1,2:5,6-				
						Dibenzanthracene		•		

^{* -} Analyte Description has been truncated. See Data Dictionary

28-JAN-97

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO 28-JAN-97

Lab Anly. No. 1

Sample Depth Date

Field Sample No.

Site Site
Type ID

EPA Data quals		
Data Quals		
Unit Flag Meas Codes	000000000000000000000000000000000000000	0.00 VB
Me Bo Conc LT 1 LT .33 LT .33		11 .33 11 .88 11 .33 14 .33 2 .2 .2 .2 .3
Analyte Description	2,6-Dinitroboluene N-Nitrosodi-n-propylamine Hexachloroethane Hexachlorocyclopentadiene Isophorone Acenaphthene Di-rbutyl phthalate Di-rbutyl phthalate Phenanthrene Butylbenzyl phthalate N-Nitrosodiphenylamine Fluorene / 9H-Fluorene Carbazole / 9H-Fluorene Carbazole / 9H-Carbazole Hexachlorobutadiene / Hexachloro-1,3- butadiene Pentachlorophenol 2,4,6-Trichlorophenol 2-Nitroaniline 2-Nitroaniline 2-Nitroaniline 2-Methylnaphthalene 2-Chloronaphthalene 3,3'-Dichlorobenzidine o-Cresol / 2-Cresol / 2-Methylphenol 1,2-Dichlorobenzene	ophenol Essence of mirbane / chenyl ether ad 537 ad 537 ad 606 ad 614 ad 615
CAS No. 534-52-1 541-73-1 56-55-3 59-50-7	606-20-2 621-64-7 67-72-1 77-47-4 78-59-1 88-59-1 84-74-2 85-01-8 85-01-8 86-74-8 86-74-8 86-74-8 86-74-8 86-74-8 91-68-5 87-86-5 88-6-2 88-6-2 88-75-5 91-27-6 91-57-6	95-95-4 98-95-3
Meth/ Matrix SMV2/S		- -

* - Analyte Description has been truncated. See Data Dictionary

28-JAN-97

Site Type

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	Je: 01-JAN-75
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	Sampling

	EPA Data Quals	:																																						
	Data Quals	:																																						
	Unit Flag Meas Codes		080 090 000 090		> i	7 × 000	> > 990	> 250 050	> 990	v 55U	> 990	NGG V			8A 990		90 x	200	> 200	> >	> >	> > 991	> 200) 000	^ 99n	> 090	> :	> :	> > 990	> >	> > 99n	> > 990	> > 991	> > 990		7 990		> 550 000	A 550	
	Me Bo Conc	: 6	.5 9 E -2		LT 4 2 /E	LT .5		LT 2	LT .2	ָבוּ בי	11 5	ָרַ <u>.</u>	1 1	001/2	00416	3 6	202	C.02	3000		116	20.1	16.8	48.6	122	51.9	29400	•		13		11 .33		11 .33		LT .33	LT .33			LT .33
01-JAN-75 28-JAN-97	Analyte Description	Unknown compound 623	Unknown compound 630 Unknown compound 637	Unknown compound 664	Diesel Fange Organics	Gasoline range organics	Selenium	Thellium	Hercury	Antimony	Argenic				Magnes ium	Managemen	Zickei	Potassium	S-1/-	Sodius	Barica	Chromium	Cobelt	Copper	Vanadium	211C	A-Witnessiline	4-Witrophenol	2,4-Dimethylphenol	P-Cresol / 4-Cresol / 4-Methylphenol	e Ce	4-Chloroaniline	Bis(2-chloroisopropyl) ether	Phenol / Carbolic acid / Phenic acid	/ Phemylic acid / Phem	Bis(2-chloroethyl) ether	Bis(2-chloroethoxy) methane	B18(2-ethylhexyl) phthalate	Harrie Dathalate	nevach (of openzene
vate Kange: U1-JAN-75	CAS No.				7439-92-1		7782-49-2	7440-28-0	0-14-45-1	7440-36-0	7-00-044	7-440-41-7				7439-96-5	7440-02-0	7440-09-7	7440-22-4	7440-23-5	7440-39-3	7440-47-3	7-87-055	7440-50-8	2-29-044/	2440-70-2	100-01-6	100-02-7	105-67-9	106-44-5	106-46-7	106-47-8	108-60-1	108-95-2		111-44-4	111-91-1	17-01-7	13.74-1	- !
sampting D	Meth/ Matrix	SMV2/S		9/ Va	GPB1/S	GRO /S	GSE1/S	GTL1/S	100.	ICH1/S			1CP1/S) : :													SMV2/S										. •			
	Lab Anly. No.			52678-06																																				
	Sample Date Lu	8		19-NOV-96																																				
	Depth	12.0		7.0																																				
	Field Sample No.	BM90112X		BPH0107X																																				
	Site 10	SB-M9-01		SB-PH-01																																				

* - Analyte Description has been truncated. See Data Dictionary

28-JAN-97

Field Sample No.

Site ID ----SB-PH-01

Site Type

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75

* - Analyte Description has been truncated. See Data Dictionary

Site Site
Type ID
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BORE SB-PH-01

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO

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	EPA Data	dual s																											
	Data	SIBOR																											
	Unit Flag	Saco codes	_	> 990	> > 990	> > 991	> > 999	> > 000	> > 990	> 550	> 290	> 990	> 990		A 550	> 99n	> 990					UGG VB			AV 55U		8A 990		> 000
	E G	2 :	11.8		17 .33					11 .33			LT .33		LT .8	11 .33		~	-	-		7.	?	۲.	۰	ĸ.	-	_	4.
Date Range: 01-JAN-75 28-JAN-97	Analyte Description		2-Witroaniline	2-Nitrophenol	Naphthalene / Tar camphor	2-Methylnaphthalene	2-Chloronaphthalene	3,3'-Dichlorobenzidine	o-Cresol / 2-Cresol / 2-Methylphenol	1,2-Dichlorobenzene	2-chlorophenol	2,4,5-Trichlorophenol	Witrobenzene / Essence of mirbane /	Oil of mirbane	3-Witrosniline	4-Bromophenyl phenyl ether	4-Chlorophenyl phenyl ether	Unknown compound 539			punoduos	punoduo	punoduo	Unknown compound 615	Unknown compound 623		Unknown compound 632		Unknown compound 660
	CAS No.		88-74-4	88-75-5	91-20-3	91-57-6	91-58-7	91-94-1	95-48-7	95-50-1	95-57-8	95-95-4	98-95-3		2-60-66														
Sampling	Meth/ Matrix		SMV2/S																										
	Lab Lab Anly. No.		RL 52678-04																										
	Sample Date		19-NOV-96																										
	Depth		7.0																										
	Field Sample No.		BPH0107X																										

^{**} End of Report - 804 Records Found **

GROUNDWATER

ABB Environmental Services, Inc.

W001976APP

EPA Data Quals

Data Quals

15-JAN-97

Site Site
Type ID
WELL MW-03-01

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW

	Unit Flag	Meas Codes		75A	3
	Q.	Bo Conc	:::::::::::::::::::::::::::::::::::::::	LT 100	2 1
01-JAN-75 15-JAN-97		Analyte Description		Diesel range organics	700
Sampling Date Range: 01-JAN-75		CAS No.	::::		GPR1/W 7/30-02-1
Sampling	Meth/	Matrix	!!!!!!	DRO /W	GPR 1/U
-	Lab	Lab Anly. No. Matrix CAS No.		RL 52856-01 DRO /W	
	Sample	Date		M030126X 26.0 04-DEC-96	
		Depth	1 1 1 1 1	26.0	
	Field	Sample No.		M030126X	

Diesel range organics Lead Gasoline range organics Selenium Marcury Artimony Arsenic Gamium Aluminum Loadmium Aluminum Aluminum Aluminum Aluminum Aluminum Aluminum Aluminum Cadmium Aluminum Aluminum Aluminum Cadmium Cadmium Aluminum Cadmium Cadmium Aluminum Aluminum Aluminum Cadmium Cadmium Aluminum Aluminum Aluminum Cadmium Aluminum Aluminum Aluminum Aluminum Cadmium Aluminum Aluminum Aluminum Aluminum Cadmium Cadmium Aluminum Aluminum Aluminum Cadmium Cadmium Aluminum Aluminum Cadmium Cadmium Cadmium Aluminum Cadmium Aluminum Cadmium Cadmium Cadmium Aluminum Cadmium Cadm		Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	
Diesel range organics Liad Gasoline range organics Selenium Selenium Mercury Artinory Arsenic Beryllium Aluminum Aluminum Aluminum Aluminum I 100 Magnesium Aluminum I 100 Manganese Mickel Nickel Nickel Nickel Nickel Aluminum I 100 Manganese I 1 10 Sodium Sodium Cobalt Coba	•	i				i	
Casoline range organics	•	ì	,	Diesel range organics		חפר	
Gasoline range organics Salenium Salenium Nercury Antimony Antimony Antimony Antimony Attuminum Cadmium Aluminum In 10 Ranganese Magnesium In 100 Magnesium In 100 Magnesium In 100 In 100 Silver Sodium Barium Chromium Chrom		7439	-92-1	Lead		UGL	
Selenium Thatlium Thatlium Hercury Arsenic Arsenic Arsenic Arsenic Arsenic Arsenic Beryllium Cadmium Aluminum I		İ		Gasoline range organics	LT 10	NGL	
That ium		7782	7-64	Selenium	11 5	ner	
Mercury	_	-0440	28-0	Thallium	LT 10	UGL	
Artimony Arsenic Arsenic Arsenic Brishic Brishium Aluminum Aluminum Ir 1 Aluminum Ir 100 Magnesium Anganesium Anthracene Ir 100 Anthracene Brishylphenol Ir 100 Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt A-Nitrophenol Ir 100 Cobalt Cobalt Cobalt Cobalt Cobalt A-Nitrophenol Ir 100 Cobalt Cobalt Cobalt Cobalt Cobalt Cobalt Ir 100 Cobalt Ir 100 Cobalt Ir 100 Cobalt Ir 100 Cobalt Ir 100 Cobalt Ir 100 Ir 250 Ir 100 Ir 250 Ir 100 Ir 250 Ir 100 Ir 250 Ir 100 Ir 250 Ir 100 Ir 100 Ir 100 Ir 100 Ir 250 Ir 100 Ir	•	7439-	9-26	Mercury	17 .2	กפר	
Arsenic Arsenic Gadwium Gadwium Aluminum I 1 100 Iron Magnesium Magnesium Magnesium Silver Sodium Sodium Sodium Barium Chromium Chromensol Calcium Carbolic acid / Pheric Bis(2-chloroethyl) ether Bis(2-chloroethyl) ether Calcium Carbolic acid / Pheric	1CM1/W 7440-	7440-	36-0	Antimony	LT 1	ner	
Beryllium Cadmium Cadmium Aluminum LT 1 Aluminum LT 100 Magnesium Manganese Mickel Nickel Nickel Copassium Salver Solium Barium Chromium Cobalt Copper Cobalt Cobalt Copper Cobalt Copper Cobalt Copper Cobalt Copper Cobalt Copper Cobalt Copper Cobalt Copper Cobalt Copper Cobalt Copper Cobalt Copper Cobalt Copper Cobalt Copper Cobalt Copper Cobalt Copper Cobalt Copper Cobalt Copper Cobalt Copper Cobalt Copper Copper Cobalt Copper Copper Cobalt Copper Coppe	-0552	7440-	38-2	Arsenic	11 5	ngr	
Aluminum Aluminum Aluminum I T 200 I ron Magnessium Magnessium Manganese Nickel Potassium Silver Sodium Barium Chromium Chromium Chromium Chromium Chromium Chromium Chromiline 4-Nitrophenol Calcium 4-Nitrophenol Calcium 4-Nitrophenol Calcium Calci	-05%	7440-	41-7	Beryllium	111	UGL	
Aluminum Lron Magnesium Lron Magnesium Marganese Nickel Sodium Silver Sodium Sarium Cobalt Chromium Ch		-0442	43-9	Cadmium	LT 1	ายก	
Magnesium Magnesium Magnesium Manganese Nickel Nickel Potassium Sodium Barium Chromium Chromi	1CP2/W 7429-	7429-	90-5	Aluminum	LT 200	ner	
Magnesium Magnese Manganese Nickel Nickel Potassium Silver Sodium Barium Chromium Ch	7439-	7439-	9-68	Iron	LT 100	NGL	
Manganese Nickel Potassium Silver Sodium Solium Barium Chromium Chromium Chromiline Cobalt Copper Vanadium A-Nitrophenol Calcium A-Nitrophenol Calcium A-Nitrophenol Calcium A-Nitrophenol Calcium A-Nitrophenol Calcium A-Nitrophenol Calcium Chromiline Calcium Copper Vanadium Cobalt Copper Vanadium Cobalt Copper Vanadium Cobalt Copper Vanadium Cobalt Copper Cobalt Co	7439-	7439-	95-4	Magnesium	21800	ner	
Nickel Potassium Silver Sodium Barium Chromium Calcium Calcium Calcium Calcium Calcium Chromiline	7439-	7439-	96-5	Manganese	17 15	ner	
Sodium Silver Sodium Barium Chomium Chomium Chomium Chomium Chomium Chomium Chomium Chomium Choper Vanadium Zinc Calcium 4-Nitrophenol Pcresol / 4-Methylphenol 1, 4-Dichlorobenzene 4-Chloroaniline Chloroaniline Chloroaniline Sig2-chloroisopropyl) ether 1, 4-Dichlorobenzene Chloroaniline Sig2-chloroisopropyl) ether Chloroaniline Sig2-chlorothaxy) methane Sis(2-chloroethaxy) methane Sis(2-chloroethaxy) methane Chloroethaxy) methane Chlorophenol Chlorobenzene Chl	-0440-	7440-	0-20	Nickel	11 40	חפר	
Silver Sodium Sodium Barium Chromium Chromium Cobalt Copper Zinc Calcium 4-Nitrophenol P-Cresol / 4-Methylphenol 1,4-Dichlorobenzene 4-Chloroaniline Eis(2-chlorospropyl) ether Phenol / Carbolic acid / Phenic acid 110 Phenylic acid / Phe* Bis(2-chloroethaxy) methane Bis(2-chloroethaxy) methane IT 10 Phenylic acid / Phe* IT 10 Phenylic acid / Phe* IT 10 IT 10 IT 10 IT 10 IT 10 IT 10 IT 10 IT 10 IT 10 IT 10 IT 10 IT 10 IT 10 IT 10 IT 10 IT 10 IT 10 IT 10 IT 10 IT 2,4-Dichlorobenzene IT 10 IT 2,4-Dichlorobenzene IT 10 IT 2,4-Dichlorophenol IT 10 IT 2,4-Dichlorophenol IT 10 IT 10 IT 2,4-Dichlorophenol IT 10	-0772	7440-	2-60	Potassium	LT 5000	 15 15 15 15 15 15 15 1	
Sodium Barium Chromium Chromium Chromium Chromium Chromium Copper Vanadium Zinc Calcium 4-Nitrophenol 1,4-Dichlorobenzene 4-Chloroaniline Pressol / 4-Cresol / 4-Methylphenol 1,4-Dichlorobenzene Chloroaniline Bis(2-chlorospropyl) ether Chloroaniline Bis(2-chlorostyl) ether Chloroaniline Bis(2-chlorostyl) ether Chloroaniline Chl	-0752	7440-	22-4	Silver		ายก	
Barium Chromium Chromium Chromium Cobalt Cobper Vanadium 2	-044	-0552	23-5	Sodium		<u> </u>	
Chromium Cobalt Cobalt Copper Vanadium Zinc Zinc Calcium 4-Nitrophenol 4-Nitrophenol 2,4-Dimethylphenol 1,4-Dichlorobenzene 4-Chloroaniline Bis(2-chloroisopropyl) ether LT 10 Phenylic acid / Phe* Bis(2-chloroethyl) ether LT 10 Phenylic acid / Phe* Bis(2-chloroethyl) ether LT 10 Phenylic acid / Phe* Bis(2-chloroethyl) ether LT 10 I 10 I 10 I 10 I 10 I 10 I 10 I 10 I	-077/	-0772	39-3	Barium		เรา	
Copper Vanadium Zinc Zinc Zinc Zalcium 4-Nitrophenol P-Cresol / 4-Cresol / 4-Methylphenol 1,4-Dichlorobenzene 4-Chloroaniline Eis(2-chlorothoxyl) ether Phenol / Carbolic acid / Phenic acid / I 10 L 2,4-Dichlorophenol Eix (2,4-Dichlorophenol / LT 10 L 2,4-Dichlorophenol / LT 10 L 11 L 10 L 11 L 11 L 11 L 11 L 1	-0440-	-0552	47-3	Chronium		1 5	
Copper Vanadium LT 50 Zinc Zinc Calcium 4-Nitrophenol PCresol / 4-Cresol / 4-Methylphenol LT 25 2,4-Dimethylphenol PCresol / 4-Cresol / 4-Methylphenol LT 10 1,4-Dichlorobenzene 4-Chloroaniline Bis(2-chloroption ether LT 10 Phenylic acid / Phenic acid LT 10 / Phenylic acid / Phenic acid LT 10 / Phenylic acid / Phenic acid LT 10 Ris(2-chloroethaxy) methane Bis(2-chloroethaxy) methane Bis(2-chloroethaxy) methane LT 10 Ris(2-chloroethaxy) methane LT 10 LT 10 LX-4-Trichlorobenzene LT 10 LX-4-Trichlorobenzene LT 10 LX-4-Trichlorobenzene LT 10 Z,4-Dinitrotoluene LT 10 Z,4-Dinitrotoluene LT 10 Z,4-Dinitrotoluene LT 10 Z,4-Dinitrotoluene LT 10	7-0752	7440-4	9-4	Cobalt		ner Ner	
Vanadium Zinc Calcium 4-Nitrophenol 2,4-Dimethylphenol 1,2-Dimethylphenol 1,4-Dichlorobenzene 4-Chloroaniline Bis(2-chlorostione) Phenol / Carbolic acid / Phenic acid LT 10 Phenol / Carbolic acid / Phenic acid LT 10 Phenol / Carbolic acid / Phenic acid LT 10 Phenol / Carbolic acid / Phenic acid LT 10 Phenol / Carbolic acid / Phenic acid LT 10 Phenol / Carbolic acid / Phenic acid LT 10 Phenol / Carbolic acid / Phenic acid LT 10 Phenol / Carbolic acid / Phenic acid LT 10 Phenol / Carbolic acid / Phenic acid LT 10 Phenol / Carbolic acid / Phenic acid LT 10 Phenol / Carbolic acid / Phenic acid LT 10 Bis(2-chlorobenzene LT 10 LT 10 2,4-Dinitrotoluene LT 10 Benocldefiphenanthrene / Pyrene LT 10	2-0442	7440-5	8-0	Copper		E	
Zinc Calcium 4-Nitroaniline 6-Nitroaniline 4-Nitrophenol 7-4-Dimethylphenol 1,4-Dichlorobenzene 4-Chloroaniline 8is(2-chlorosiline 8is(2-chlorothyl) ether 8is(2-chlorothyl) ether 8is(2-chlorothyl) ether 8is(2-chlorothyl) ether 8is(2-chlorothyyl) ether 8is(2-chlorothyyl) ether 8is(2-chlorothyyl) ether 8is(2-chlorothyyl) phthalate 8is(2-chlorothyyl) phthalate 8is(2-chlorothoxyl) phthalate 8is(2-	9-057	2440-6	2-2	Vanadium		ign ner	
Calcium 4-Nitroaniline 4-Nitrophenol 2,4-Dimethylphenol 1,25 2,4-Dichlorobenzene 1,4-Dichlorobenzene 4-Chloroaniline Bis(2-chlorospropyl) ether 1,10 Phenylic acid / Phe* 1,10 Phenylic acid / Phenic acid II 10 Phenylic acid II 10 Phe	9-0552	2440-6	9-9	Zinc		กอเ	
4-Nitroaniline 4-Nitrophenol 2,4-Dimethylphenol 1,25 1,10 1,4-Dieflorobanzene 1,4-Dieflorobanzene 1,4-Dieflorobanzene 4-Chloroaniline 8 is(2-chlorostopyl) ether 1,10 1,4-Dieflorobenzene 1,10 1,10 1,10 1,10 1,10 1,10 1,2,4-Trichlorobenzene 1,10 1,2,4-Dinitrotoluene 1,10 1,10 1,2,4-Dinitrotoluene 1,10 1,10 1,2,4-Dinitrotoluene 1,10 1,10 1,10 1,10 1,10 1,10 1,10 1,1	,-	2440-70	<u>-</u> -	Calcium		T _D N	
4-Nitrophenol 2,4-Dimethylphenol 1,10 1,4-Dimethylphenol 1,4-Dichlorobenzene 4-Chloroanilen 1,10 4-Chloroanilen 1,10 4-Chloroanilen 1,10 8 is(2-chloroptopyl) ether 1,10 Phenol / Carbolic acid / Phenic acid 1,10 Phenol / Carbolic acid / Phenic acid 1,10 Phenol / Carbolic acid / Phenic acid 1,10 Phenol / Carbolic acid / Phenic acid 1,10 B is(2-chloroethyl) ether 1,10 B is(2-chloroethyl) ether 1,10 B is(2-chloroethyl) phthalate 1,10 B is(2-chlorobenzene 1,10 B is(2-chlorophenol 1,2,4-Trichlorophenol 1,2,4-Dichlorophenol 1,10 B enzo (defi) bhennanthnene / Pyrene 1,10 B enzo (defi) phannthnene / Pyrene	SMV1/W 100-01	100-01	9-	4-Nitroaniline		UGL	
2,4-Dimethylphenol 2,4-Dimethylphenol 1,4-Dichlorobenzene 1,4-Dichlorobenzene 4.Chloroaniline 8is(2-chloroisopropyl) ether Phenol (Carbolic acid / Phenic acid LT 10 Phenylic acid / Phe* Bis(2-chloroethyl) ether Bis(2-chloroethyy) methane LT 10 Bis(2-chloroethyy) methane LT 10 Bis(2-chloroethyy) methane LT 10 Bis(2-chlorobenzene LT 10 Anthracene LT 10 1,2,4-Trichlorobenzene LT 10 2,4-Dinitrotoluene LT 10	100-02	100-02	2-7	4-Nitrophenol		ner	
p-Cresol / 4-Cresol / 4-Methylphenol LT 10 1,4-Dichlorobenzene 4-Chloroaniline Bis(2-chloroisopropyl) ether LT 10 Phenol / Carbolic acid / Phenic acid LT 10 Phenol / Carbolic acid / Pheric acid LT 10 / Phenol / Carbolic acid / Pheric acid LT 10 Phenol / Carbolic acid / Pheric acid LT 10 Phenol / Carbolic acid / Pheric acid LT 10 Phenol / Carbolic acid / Pheric acid LT 10 Ris(2-chloroethoxy) methene Ris(2-chlorobenzene	105-6	105-6	6-2	2,4-Dimethylphenol		UGL	
1,4-Dichlorobenzene 1,4-Dichlorobenzene 4-Chloroaniline Bis(2-chloroisopropyl) ether 7 Phenol (Carbolic acid / Phenic acid LT 10 7 Phenylic acid / Phe* 8 is(2-chloroethoxy) mether 8 is(2-chloroethoxy) mether 8 is(2-chloroethoxy) mether 8 is(2-chloroethoxy) mether 8 is(2-chloroethoxy) mether 8 is(2-chlorobenzene 1	106-4	106-4	4-5	<u>-</u>	•	UGL	
4-Chloroaniline Bis(2-chloroisopropyl) ether LT 10 Phenol / Carbolic acid / Phenic acid LT 10 / Phenylic acid / Phe* Bis(2-chloroethoxy) methane Bis(2-chloroethoxy) methane Bis(2-chloroethoxy) methane LT 10 Bis(2-ethylhexyl) phthalate LT 10 Bis(2-ethylhexyl) phthalate LT 10 LT 10 LT 10 Anthracene Anthracene LT 10 LT 10 L, 2,4-Tichlorobenzene LT 10 L, 2,4-Dichlorophenol L, 10 L, 2,4-Dinitrotoluene LT 10 L, 2,4-Dinitrotoluene LT 10 Benzoldefjphenanthrene / Pyrene	106-	106-1	2-9	1,4-Dichlorobenzene	•	UGL	
Bis(2-chloroisopropyl) ether Phenol / Carbolic acid / Phenic acid LT 10 / Phenylic acid / Phe* / Bis(2-chloroethoxy) methane / Bis(2-chlorobenzene / Anthracene / A - Anthra	1-901	100-7	47-8	4-Chloroaniline	-	UGL	
Phenol / Carbolic acid / Phenic acid LT 10 / Phenylic acid / Phe* / Phenylic acid / Phe* / Phenylic acid / Phe* / Bis(2-chloroethnyl) ether / Bis(2-chloroethnyl) phthalate / Bis(2-chlorobenzene / Bis(2-chlorobenzene / T 10 / Anthracene / T 10 / A - Trichlorophenol / A - Dinitrotoluene / Benzoldefjphenanthrene / Pyrene / T 10	108-(108-6	50-1	Bis(2-chloroisopropyl) ether	•	J9n	
/ Phenylic acid / Phe* Bis(2-chloroethyl) ether Bis(2-chloroethoxy) methane Bis(2-chloroethoxy) methane Bis(2-chloroethoxy) methane LT 10 Bis(2-chlylhexyl) phthalate LT 10 Anthracene LT 10 1,2,4-Trichlorobenzene LT 10 2,4-Dinitrotoluene Benzoldef] phenanthrene / Pyrene	108-5	108-5	5-2	Phenol / Carbolic acid / Phenic acid	LT 10	NGL	
Bis(2-chloroethyl) ether Bis(2-chloroethoxy) methane LT 10 Bis(2-chloroethoxy) methane LT 10 Di-n-octyl phthalate LT 10 Hexachlorobenzene LT 10 1,2,4-Tichlorobenzene 2,4-Dintrotoluene Benzoldef] phenanthrene / Pyrene	;	;		/ Phenylic acid / Phe*			
Bis(2-chloroethoxy) methane LT 10 Bis(2-ethylhexyl) phthalate LT 35 Di-n-octyl phthalate LT 10 Hexachlorobenzene LT 10 Anthracene LT 10 1,2,4-Trichlorobenzene LT 10 2,4-Dinitrotoluene LT 10 Benzoldef] phenanthrene / Pyrene LT 10	111-4	111-4	5-5	Bis(2-chloroethyl) ether	LT 10	UGL	
Bis(2-ethylhexyl) phthalate LT 35 Di-n-octyl phthalate LT 10 Hexachlorobenzene LT 10 Anthracene LT 10 1,2,4-Trichlorobenzene LT 10 2,4-Dichlorophenol LT 10 2,4-Dinitrotoluene LT 10 Benzoldefiphenanthrene / Pyrene LT 10	111-9	111-9	Ţ	Bis(2-chloroethoxy) methane	LT 10	ner	
Di-n-octyl phthalate Hexachlorobenzene Anthracene 1,2,4-Trichlorobenzene 2,4-Dinitrotoluene Benzoldefiphenanthrene / Pyrene	117-8	117-8	1-7	Bis(2-ethylhexyl) phthalate			
Hexachlorobenzene Anthracene 1,2,4-Trichlorobenzene 2,4-Dichlorophenol 2,4-Dinitrotoluene Benzoldeflphenanthrene / Pyrene	117-8	117-8	0-5	Di-n-octyl phthalate		191	
Anthracene 1,2,4-Trichlorobenzene 2,4-Dichlorophenol 2,4-Dinitrotoluene Benzoldeflphenanthrene / Pyrene	118-7	118-7	7-1	Hexachlorobenzene			
1,2,4-Trichlorobenzene 2,4-Dichlorophenol 2,4-Dinitrotoluene Benzo[def]phenanthrene / Pyrene	120-1	120-1	2-7	Anthracene		1 =	
2,4-Dichlorophenol 2,4-Dinitrotoluene Benzoldeflohenanthrene / Pyrene	120-8	120-8	12-1	1.2.4-Trichlorobenzene		191	
2,4-Dinitrotoluene Benzoldeflphenanthrene / Pyrene	120-8	120-8	3-2	2.4-Dichlorophenol		3 3	
Benzo[def]phenanthrene / Pyrene	121-1	121-1	4-2	2.4-Dinitrotoluene		3	
	129-0	129-00	0-0	Benzo[def]Dhenanthrene / Pyrene		i =	

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW Sampling Date Range: 01-JAN-75

	EPA Data																																																
	Data Quals																																																
	Unit Flag Meas Codes			חפר	<u> </u>	1 2	35	OGE		Jon No	ner	חפר	ner		3	3 2	,	21	\$	3	ਰ ਵ	35.	190	9	חפר	ner	ner	UGL	ner] 	2	3 190		3 5	101	3 2	101	3 2	100	=	3 5	100	150	190	3	190	ner ner	ਤੂਂ :	UGL
	Me Bo Conc	:	LT 10	LT 10) <u>-</u>		7. 1.		11 10	: -		נ		2 :							12							;	11 25								11 10	
ate Range: 01-JAN-75 15-JAN-97	Analyte Description		Dimethyl phthalate	Dibenzofuran	Benzo[ghi]perylene	Indeno[1,2,3-C.D]pyrene	Benzofbliftworanthene / 3 4-	Benzofluoranthene			Senzolkj Tluoranthene	Acenaphthylene	Chrysene	Benzo[a] pyrene	2.4-Dinitrophenol	Dibenz (ah) anthracene / 1.2:5.6-	Dibenzanthracene	4.6-Dinitro-2-cresol / 2-Methyl-4.6-	dinitrophenol	1,3-Dichtorobenzene	Benzo [a] anthracene	3-Methyl-4-chlorophenol / 4-rhloro.3.	creen! / 4-chloro-1-mt	2 Athinitrotoliums		M-MITTOSOGI-II-DEODY (SMITTOS	Hexachioroethane	Mexach lorocyclopentadiene	Isophorone	Acenaphthene	Diethyl phthalate	Di-n-butyl phthalate	Phenanthrene	Butylbenzyl phthalate	N-Nitrosodiphenylamine	Fluorene / 9M-Fluorene	Carbazole / 9M-Carbazole	Mexachlorobutadiene / Hexachloro-1 3-	butadiene	Pentachlorophenol	2,4,6-Trichlorophenot	2-Witroaniline	2-Nitrophenol	Marhthalene / Tar camphor	2-Methyl Dephetel and	2-Fileson-theta	2 2 - Chicoropartner energy	5,5' - Pichloropenzigine	סינו ל בינו משטו / ביחפנוו או ביות בינו
Sampling Date Range:	Meth/ Matrix CAS No.	•	SHV1/W 131-11-3	132-64-9	191-24-2	193-39-5	205-99-2		204-44-0	0-44-007	6-90-102	208-96-8	218-01-9	50-32-8	51-28-5	53-70-3		534-52-1		541-73-1	56-55-3	59-50-7		606-20-2	421-44-7	7-00-120	1-21-10	4-/4-//	78-59-1	83-32-9	84-66-2	84-74-2	85-01-8	85-68-7	86-30-6	86-73-7	8-7-98	87-68-3		87-86-5	88-06-2	88-74-4	88-73-5	91-20-3	91-57-6	01-10	01-04-10	2-87-50	
S. S. S. S. S. S. S. S. S. S. S. S. S. S	Lab Anly. No.		RL 52856-01 SI																																				•										
	Sample Date		04-DEC-96																																														
	Depth		26.0																																														
	Field Sample No.		MU50126X																																														•
	Site		M-03-01																																														
	Site Type		בור בור																																														

^{* -} Analyte Description has been truncated. See Data Dictionary

15-JAN-97

Site Site
Type ID
---WELL MW-03-01

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW

15-JAN-97	
Sampling Date Range: 01-JAN-75	
3 Date Range	
Sampling	

EPA Data Quals	:																																											
Data Quals	:																																											
	ner	UGL	NGL	ner		UGL	UGL	UGL	ner	ายก		UGL		ner	ner		TON	ner	UGL	•	ายก	}	=	3	<u> </u>	5 =	ner ner	ner	ner	UGL	UGL	UGL 2	UGL	ner	NGL	ner	UGL	UGL	ner	ng.		ner	חפר	ner
			LT 25	11 10			LT 10	LT 10		-		LT 1			L1 5		111	LT 1	111		LT 1		111		1 1		5.4	-	11	L7 1	LT 1	11	11	LT 1	11	LT 1	11 1	111	11	1.1		LT 1	LT 15	1 1
Analyte Description	1,2-Dichlorobenzene	2-Chlorophenol	2,4,5-Trichlorophenol	Nitrobenzene / Essence of mirbane /	011 of mirbane	5-Nitroaniline	4-Bromophenyl phenyl ether	4-Chlorophenyl phenyl ether	Ethylbenzene	Styrene / Ethenylbenzene / Styrol /	Styrolene / Cinnamene *	cis-1,3-Dichloropropylene / cis-1,3-	Dichloropropene	1,2-Dichloroethane	Methyl isobutyl ketone /	Isopropylacetone / 4-Methyl-2-pen*	Toluene	Chlorobenzene / Monochlorobenzene	Dibromochioromethane /	Chlorodibromomethane	Tetrachloroethylene /	Tetrachioroethene / Perchioroethylen*	1.2-Dichloroethylenes (cis and trans	isomers) / Acetvlene *	Carbon tetrachloride	Methyl n-butyl ketone / 2-Hexanone	Acetone	Chloroform	Benzene	1,1,1-Trichloroethane	Bromomethane	Chloromethane	Chloroethane	Vinyl chloride / Chloroethene	Methylene chloride / Dichloromethane	Carbon disulfide	Bromoform	Bromodichloromethane	1,1-Dichloroethane	1,1-Dichloroethylene / 1,1-		1,2-Dichloropropane	Methyl ethyl ketone / 2-Butanone	1,1,2-Trichloroethane
CAS No.	95-50-1	95-57-8	95-95-4	98-95-3	60	7-60-66			100-41-4	100-42-5		10061-01-5	,	107-06-2	108-10-1		108-88-3	108-90-7	124-48-1		127-18-4		540-59-0		56-23-5	591-78-6	67-64-1	67-66-3	71-43-2	71-55-6	74-83-9	74-87-3	75-00-3	75-01-4	75-09-2	75-15-0	75-25-2	75-27-4	75-34-3	75-35-4		78-87-5	78-93-3	2-00-5
Meth/ Matrix	SMV1/W								VMS1/W																														•					
Lab Anly. No.																																									-			
Sample Date	0																																											
Depth	26.0																																											
Field Sample No.	M030126X																																											

^{* -} Analyte Description has been truncated. See Data Dictionary

Site Site
Type ID
---WELL MW-03-01

15-JAN-97

MV-03-02

					E	Care naige: OI-MA-13	74-MAL-CI				
		•		Lab	Meth/			2			
Sample No.	Depth		Lak	Lab Anly. No.	Matrix	CAS No.	Analyte Description	Bo Conc	Meas Codes	Data	EPA Data
			:	•		:				8 1808	SIBDA
MUSUIZOX	26.0	04-DEC-96	굹	52856-01	VMS1/W	79-01-6	Trichloroethylene /Trichloroethene /			:	
							Ethinyl trichloride /T*		3		
						79-34-5	Tetrachloroethane / 1.1.2.2.		31		
							Tetrachloroethane / Acetylene *	-	3		
							Xylenes, total combined	111	=		
	;						trans-1.3-Dichloropropene	- -	1 2		
M030222X	22.0	22.0 04-DEC-96	귙	52856-02	DRO /W		Diesel range organice		3 3		
					GPB1/W	7439-92-1		007	3 3		
					GRO /W		Gasoline rande organice	, ÷	ප් <u>:</u>		
						7782-40-2			1 90		
						7440-28-0			ਰ ਜ		
						7.70-07.4		2 1	700		
					2,170	74.40-74-0	Aer Cury		ายก		
						0-00-0447	Anchmony .	[1 1	าอก		
						7440-58-2	Arsenic	11 5	ner		
						7440-41-7	Beryllica	-	<u> </u>		
						7440-43-9	Cachrium		; ;		
					1CP2/W	7429-90-5	Aluminum	, 4 200	1 2 2		
						7439-89-6	Iron	7070	3 3		
						7-50-0272	Macana in		150		
						74.10-04.5		14.700	ತ್ರ		
						0-00-0772			ner		
						0-20-044/			NGL		
						7-60-05-7	Potessica		ner		
						4-22-044/	Silver	LT 10	ายก		
						7440-23-5	Sodium	96500	ੇ ਵ		
						7440-39-3	Barium	1 200	5 5		
						7440-47-3	Chromica		3 3		
						7440-48-4	Cohalt		5		
						7440-50-8			חפר		
						2, 24, 04, 7			UGL		
						7,40-64-4		LT 50	ig S		
						7440-70-2	1.30 e3	20.6	ng.		
					SMV1/L	100-01-6	4-Kingensell (1)		평 •		
						100-02-7			ਰ ਨ		
					•	105-67-0			JS N		
					•	70-701	c, 4-U imetny i phenoi		ner		
					•	C-44-001	p-cresol / 4-Cresol / 4-Methylphenol		Je Ner		
					•	7-94-901	1,4-Dichtorobenzene	11 10	Ten Cer		
						106-47-8	4-Chloroenfline] =		
						108-60-1	Bis(2-chioroisopropyl) ether		3 3		
					• *	108-95-2	Phenol / Carbolic acid / Phenic acid		1 2		
							/ Phenylic acid / Phe*		Š		
						111-44-4	Bis(2-chloroethyl) ether	17 10	2		
					•	111-91-1	Bis(2-chloroethoxy) methane		1 2		
						117-81-7	Bis(2-ethylhexyl) ohthalate		3 3		
					-	117-84-0	Di-n-octvi rhthalata		٦ 2		
									1		
and the first	•	•									

* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW Sampling Date Range: 01-JAN-75

,							Serio de la compo	Judie Kange: UI-JAN-75	15-JAN-77				
Site Type	Site ID	Field Sample No.	Depth	Sample	-	Lab	Meth/	:		æ e	Unit Flag	40	4
			•		9 :	AIII y . MO.	Macrix	CAS NO.	Analyte Description			Quals	Quals
134	MW-03-02	M030222X	22.0	04-DEC-96	4	52856-02	SMV1/W	118-74-1	Hexachlorobenzene			-	
								120-12-7	Anthracene		ම් සි		
								120-82-1	1.2.4-Trichlorobenzene		ig 1		
								120-83-2	2,4-Dichtorophenol				
								121-14-2	2,4-Dinitrotoluene		1 G		
								129-00-0	Benzo[def]phenanthrene / Pyrene		7 7		
								131-11-3	Dimethyl phthalate				
								132-64-9	Dibenzofuran	2 5	30		
								191-24-2	Benzo [ghi]perylene		3 2		
								193-39-5	Indeno[1,2,3-C,D]pyrene		100		
								202-99-2	Benzo [b] fluoranthene / 3.4-		5 5		
									Benzofluoranthene		Jon		
								206-44-0	Fluoranthene	11 10	3		
								207-08-9	Benzo [k] fluoranthene		1 2		
								208-96-8	Acenaphthylene		J 2		
								218-01-9	Chrysene	17 70	1 21		
								50-32-8	Benzo [a] pyrene		d 5		
								51-28-5	2,4-Dinitrophenol		750		
								53-70-3	Dibenz[ah]anthracene / 1.2:5.6-		100		
									Dibenzanthracene		700		
								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4_6-	7. 75	101		
									dinitrophenol		Jan		
								541-73-1	1,3-Dichlorobenzene	17 10	2		
								56-55-3	Benzo [a] anthracene		150		
							. •	29-20-7	3-Methyl-4-chlorophenol / 4-chloro-3-	2 = 1	100		
											UGF		
							-	606-20-2	2,6-Dinitrotoluene	11 10	3		
							-	621-64-7	N-Nitrosodi-n-propylamine		7 0 0		
							•	67-72-1	Hexachloroethane		J .		
								77-47-4	Hexach (orocvo) opentadione	2			
								78-59-1	Isophorone				
							~	83-32-9	Acenaphthene	1 1	1 10 10 10 10 10 10 10 10 10 10 10 10 10		
							~	34-66-2	Diethyl phthalate	1 2	1 12		
								34-74-2	Di-n-butyl phthalate	17 10	1 2		
							~	95-01-8	Phenanthrene	2 5	100		
							ا بہ	35-68-7	Butylbenzyl phthalate	9 2	101		
							~	36-30-6	N-Nitrosodipheny(amine		7 2		
							w	36-73-7	Fluorene / 9H-Fluorene		50		
							ىت	36-74-8	Carbazole / 9H-Carbazole		5 5		
							~	37-68-3	Hexachlorobutadiene / Hexachloro-1.3-		1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0		
							•	! !	butadiene		100		
							ω (87-86-5			2		
							IJ α	88-06-2	ophenol	LT 10	ner ner		
							ט	4-4/-00	2-Nitroaniline		ายก		
* - Anslvt	vto Doconi	nation has be	****	•							!		

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW 15-JAN-97

			•			Sampling	ng Date Range	g Date Range: 01-JAN-75 15-JAN-97				
Site Type	Si te	Field Sample No.	Depth	Sample o. Depth Date	Lab Lab Anly. No.	Meth/ o. Matrix	/ × CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data	EPA Data
	60 60											
	70-C0-MH	MUSUCZZX	0.22	04-DEC-96		2 SHV1/W	₩	2-Nitrophenol	LT 10	פנ		
							01.20.7		• • • • • • • • • • • • • • • • • • • •			

Lab	Meth/			9	4,41	٠
nly. No.	Matrix	CAS No.	Analyte Description	Bo Conc	Mean Codes	
	:					•
52856-02	SMV1/W	88-75-5	2-Nitrophenol			•
		91-20-3	Marhthalana / Tar cambor		3 :	
		91-57-6	2-Kethy (repthered one	2 4	3 :	
		01.58.7			הפר מפר	
					ner	
		- 44-14	3,37 - Dichloropenzique		าอก	
		7-48-6	o-cresol / 2-Cresol / 2-Methylphenol		חפר	
		95-50-1	1,2-Dichlorobenzene	17 10	ษา	
		95-57-8	2-Chlorophenol	LT 10	3	
		95-95-4	2,4,5-Trichtorophenot		190	
		98-95-3	Witrobenzene / Essence of mirbane /		; =	
			Oil of mirbane		ś	
		2-60-66	3-Witrosniline	17.25	2	
			4-Bromophenyi phenyl ether	1 10	3 =	
			4-Chlorophenyl phenyl ether		100	
			Unknown company 550		i i	
			Infrom comound 552	9 5	1	
			Unknown compared 414	2 6	1	
	VMC1/U	100-41-4	Ethyl homen		- F	
	# / · c .	4.00	Ethyl Denzene	<u>.</u>	ತ್ತ	
		5-24-001	Styrene / Ethenylbenzene / Styrol /	11	ner	
			Styrolene / Cinnamene *			
		10061-01-5	cis-1,3-Dichloropropylene / cis-1,3-	נז ז	ายก	
			Dichloropropene		•	
		107-06-2	1,2-Dichloroethane	11.1	190	
		108-10-1	Methyl isobutyl ketone /	11.5	1 2 1	
			Isopropylacetone / 4-Methyl-2-pen*		ź	
		108-88-3	Toluene		2	
		108-90-7	Chlorobenzene / Monochlorobenzene		3 3	
		124-48-1	Dibromochi oromethene /		3 3	
		· !	Chloroditromomethere	- -	190	
		127-18-4	Tetrach organic		•	
		?	Tetrachionosthers / Denchionosthilone	-	חפר	
		240-50-0	1 2-Dichlorosthylenes (of and then)	•	į	
			isomers) / Aretulene +	-	190	
		54-23-5	Carbon tetrachlonide	•	•	
		501-78-4	Machael material bases of a second	- :	150	
		67-66-4	Action II Daty Ketone / 2 Hexanone	٠ : ت	עפר	
		- 10 / 10	Acetone	LT 5	กפר	
		5-00-70	Chlorotorm	11	UGL	
		7-43-2	Benzene	11	UGL	
		71-55-6	1,1,1-Trichloroethane	L1 1	ารก	
		74-83-9	Bromomethane	111	TSA	
		74-87-3	Chloromethane	111	กอน	
		75-00-3	Chloroethane	11	าฮ	
		75-01-4	Vinyl chloride / Chloroethene	11 1	UGL	
		75-09-2	Methylene chloride / Dichloromethane	111	ฮด	

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW

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	S G		11 1	111	111	; <u>-</u>		-	-	- •	۰, ! :		-	,	[1]	•	- 1	-	L1 1	LT 100		LT 10		LT 10		L1 1	2			2750	1600	20300	144	-			63400				LT 25					52	
Date Range: 01-JAN-75 15-JAN-97	Analyte Description		Carbon disulfide	Bromoform	Bromodichloromethane	1.1-Dichloroethane	1.1-Dichloroethylene / 1.1-	Dichloroethene	1.2-Dichloropana	Methyl ethyl betone / 2-8::tonen	1 2 Tricklesonthan	Trichlorosthylone (Trichlorothy)	Ethiovi trichloride / Ta	Total Colonia Colonia	Tetrachiocethane / 1,1,2,2-	Tetrachiorethane / Acetylene *	Without compound 249	Aytenes, total compined	trans-1,5-Dichloropropene	Ulesel range organics	Lead	Gasoline range organics	Selenium	Thattium	Mercury	Antimony	Arsenic	Beryllium	Cachrium	Atuminum	Iron	Magnesium	Manganese	Nickel	Potassium	Silver	Sodium	Barium	Chromium	Cobalt	Copper	Vanadium	Zinc	Calcium	4-Nitroeniline	2.4-Dimethylphenol	
	CAS No.		75-15-0	75-25-2	75-27-4	75-34-3	75-35-4		78-87-5	78-93-3	70-07	79-01-6		70.145	7-57-6-					, 60 02/2	1-24-45+1		7782-49-2	7440-28-0	7439-97-6	7440-36-0	7440-38-2	7440-41-7	7440-43-9	7429-90-5	7439-89-6	7439-95-4	7439-96-5	7440-02-0	2440-09-7	7440-22-4	7440-23-5	7440-39-3	7440-47-3	7440-48-4	7440-50-8	7440-62-2	7440-66-6	7-07-0447	100-01-6	105-67-9	
Sampling	Meth/ Matrix		VMS1/W																7	DXC /W	#/ GEO	EKO /#	GSE1/W	GTL1/W	HGC1/W	ICM1/N				1CP2/W								_		•			•	CW14 /11	# / I A LIC	•	
	Lab Anty. No.	•	RL 52856-02																50.428CZ 10																										•		
			04-DEC-96																20.0 03-065-04																												
	Depth		22.0																20.0	2																											
	Field Sample No.		M030222X																M080120X																												
			L MW-03-02																MW-08-01	; }																											
	Site Type	; ;	WELL																																												

^{* -} Analyte Description has been truncated. See Data Dictionary

Site Site
Type ID
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WELL MW-08-01

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW Sampling Date Range: 01-JAN-75

		Sample	•		Meth/			5	4:41		
sample no.	Depth	Date	a B		Matrix	CAS No.	Analyte Description	Bo Conc		Data Origin	era Data
	0	02.050						:			2100
		03-DEC-90	¥	27820-03	M/L/MS	106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol	LT 10			
						106-46-7	1,4-Dichlorobenzene		3		
						106-47-8	4-Chloroaniline	17 10	1 2		
						108-60-1	Bis(2-chloroisopropyl) ether		3 2		
						108-95-2	Phenol / Carbolic acid / Phenic acid	2 =	7 2		
							/ Phenylic acid / Phe*		150		
						111-44-4	Bis(2-chloroethyl) ether	17 40	3		
						111-91-1			3		
						117-81-7			חפר		
						6 6	rnalate		מפר		
						0-40-711	ate	11 10	190		
						118-74-1		17 10	1911		
						120-12-7	Anthracene		d ==		
						120-82-1	zene	2 5	3 5		
						120-83-2			. Ger.		
						121-16-2	2 4-Dinitrotoliene		ප් <u>:</u>		
					-	120-00-0			ner		
					•	124-44-4	rene / Pyrene	LT 10	19 0		
						C-11-1CI	alate		ner		
						152-64-9		LT 10			
						191-24-2			3 5		
					, -	193-39-5			7		
						205-90-2			3		
					•			2 -	30		
					•	0 // 700	inene inene				
					- (0-55-007			UGL		
					. 🕶 1	507-08-9	nthene	LT 10	1 21		
					. •	208-96-8	Acenaphthylene		100		
						218-01-9		2 5	- T		
					-	50-32-8	ecetive.		7 E		
					. •	51.28.E			ופר		
						10.1		LT 25	3 50		
					ri .	3-70-3	ene / 1,2:5,6-	LT 10	Je n		
					•	1	D ibenzanthracene				
					41	534-52-1	-cresol / 2-Methyl-4.6-	17 25	2		
					~ `	541-73-1	enzene	11 10	9		
					ĽΛ	56-55-3			3 3		
					ن	2-05-6	Manney / Carle and Z	2 .	קבר מפר		
									חפר		
					•	506-20.2					
					•	7-07-00			UGL		
					•	7-99-12	ylamine	LT 10	5 5		
					v 0 1	67-72-1			.		
					^	7-47-4	Hexachlorocyclopentadiene		300		
					^	78-59-1		1 10	7 2		
					€	13-32-9	9		100		
					•	2-99-56	State		3 3		
					•	4-74-2	•	2 5	3 3		
									787		

^{* -} Analyte Description has been truncated. See Data Dictionary

Site Site
Type ID
---WELL MW-08-01

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW 15-JAN-97

EPA Data Quals	:																																											
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Unit Flag Meas Codes	ner		ายก	ner	กอา	UGL		ngr	ner	ner	ner	ngr.	ner n	190	3	190	101	35.	1 2	j -	Jan	3	5 2	7	1	100	Jon	3	100	101	g =	3	190	T DO	<u> </u>		UGL		NGL		NGL	ner	ට ව	กอเ
Me Bo Conc	LT 10		LT 10						LT 10			LT 10										72 11					- 5		-	111			111	L7 1	-		LT 1		11 1		LT 1	LT 5		LI 1
Analyte Description	Phenanthrene	Butylbenzyl phthalate	N-Nitrosodiphenylamine	Fluorene / 9H-Fluorene	Carbazole / 9H-Carbazole	Hexachlorobutadiene / Hexachloro-1,3-	butadiene	Pentachlorophenol	2,4,6-Trichlorophenol	2-Nitroaniline	2-Nitrophenol	Naphthalene / Tar camphor	2-Methylnaphthalene	2-Chloronaphthalene	3,3'-Dichlorobenzidine	o-Cresol / 2-Cresol / 2-Methylphenol	1.2-Dichtorobenzene	2-chlorophenoi	2.4.5-Trichlorophenol	Witrobenzene / Essence of mirhene /	Oil of mirbane	3-Witroaniline	4-Bromophenyl phenyl ether	4-Chlorophenyl phenyl ether	Fthylbenzene	Student / Sthemal Persons / Street	Styrene / Ethenylbenzene / Styrol / Styrolene / Cinnemene *	cis-1.3-Dichloropropylepe / cis-1 3-	Dichloropropene	1.2-Dichloroethane	Methyl isobutyl ketone /	Isopropylacetone / 4-Methyl-2-pen*	Toluene	Chlorobenzene / Monochlorobenzene	Dibromochloromethane /	Chlorodibromomethane	Tetrachloroethylene /	Tetrachloroethene / Perchloroethylen*	1,2-Dichloroethylenes (cis and trans	isomers) / Acetylene *	Carbon tetrachloride	Methyl n-butyl ketone / 2-Hexanone	Acetone	CA LOFOTOFM
CAS No.	85-01-8	85-68-7	86-30-6	86-73-7	86-74-8	87-68-3		87-86-5	88-06-2	88-74-4	88-75-5	91-20-3	91-57-6	91-58-7	91-94-1	95-48-7	95-50-1	95-57-8	95-95-4	28-05-3)	2-00-66	1 }		100-61-6	100-72-5	6-24-001	10061-01-5		107-06-2	108-10-1		108-88-3	108-90-7	124-48-1		127-18-4		0-65-05		6-23-5	91-78-6	7-64-1	r-00-7
	SMV1/W																			•					VMS1/U	Ī		•		•	•			•			•		.		en i	n	•	J
	RL 52856-03																																											
Sample Date	03-DEC-96																																											
Depth	20.0																																							•				
Field Sample No.	M080120X																																											

^{* -} Analyte Description has been truncated. See Data Dictionary

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EPA Data Quals

Site Site
Type ID
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Final Documentation Appendix Report nstallation :Fort Allen, Puerto Rico (FN)
Inst

File Type: CGW 15-JAN-75

20.0 03-067-96 Rt 52856-03 WRS/V 77-452- 11.7-richloroethane 11.7 richloroethane 11.7	Field Sample No.	Depth		Lab	Lab Anly. No.	Meth/	CAS No.	Ansilyte Deorgists	e i	Unit Flag	Data	
70.0 03-DEC-96 RL 52856-03 W851/4 71-42-2 Benzenethan				:				viative peachiption	ပ	-	Quals	
7.35.6 1,1,1-Tickloroethane [17] 7.48.7 3 Chloroethane [17] 7.50.4 (17) Chloroethane [17] 7.50.5 (17) Chloroethane [17] 7.50.6 (17) Chloroethane [17] 7.50.7 6 (17) Chloroethane [17] 7.50.7 6 (17) Chloroethane [17] 7.50.7 7.50.4 (17) Chloroethane [17] 7.50.7 7.50.4 (17) Chloroethane [17] 7.50.7 1, 10 Chloroethane [17] 7.50.7 1, 10 Chloroethane [17] 7.50.7 1, 10 Chloroethane [17] 7.50.7 1, 10 Chloroethane [17] 7.50.7 1, 10 Chloroethane [17] 7.50.7 1, 10 Chloroethane [17] 7.50.7 1, 10 Chloroethane [17] 7.50.7 1, 10 Chloroethane [17] 7.50.7 1, 10 Chloroethane [17] 7.50.7 1, 10 Chloroethane [17] 7.50.8 1, 10 Chloroethane [17] 7.50.9 1, 10 Chloroeth	M080120X	20.0		귍	52856-03	VMS1/W		Benzene			:	
74-87-3 Givonentiane 75-00-3 Chlorosethane 75-00-4 Methylene chloride Dichlorosethane 75-00-4 Methylene chloride Dichlorosethane 75-20-5 Bromoform 75-20-6 Bromoform 75-20-7 Bromoform 75-20-7 Bromoform 75-20-7 Bromoform 75-20-7 Bromoform 75-20-7 Bromoform 75-20-7 Bromoform 75-20-7 Bromoform 75-20-7 Bromoform 75-20-7 Bromoform 75-20-7 Bromoform 75-20-7 Bromoform 75-20-7 Bromoform 76-20-7 Total constituence 77-20-7 Total cons							71-55-6	1.1.1-Trichloroethane				
74.87-3 Chloromethane [17] 75.00-3 Chloromethane [17] 75.01-4 (Ninyl chloride / Chloromethane [17] 75.21-6 Garbon disultide [17] 75.22-6 Bromodich loromethane [17] 75.22-6 Bromodich loromethane [17] 75.22-6 Garbon disultide [17] 75.23-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7							74-83-9	Bromomethane	- •	1 95		
75-00-3 Chicroethane [17] 75-01-4 Vinyl chloride / Chicroethane [17] 75-15-0 Fettyl en chloride / Dichloromethane [17] 75-15-1 Fromoform [17] 75-15-1 Fromoform [17] 75-15-1 Fromoform [17] 75-15-2 Fromoform [17] 75-15-35-4 JDichloroethylene / JDichloroethylene							74-87-3	Chloromethene	- :	חפר		
75-01-6 Vinyl chloride / Chloroethene [17] 75-19-2 Brown client/fide Dichloromethane [17] 75-25-2 Brown client/fide Dichloromethane [17] 75-25-3 From client/fide Dichloromethane [17] 75-24-3 1, 1-01 chloroethylene / 1,1-1							75-00-3	Chloroethane	- :	<u>ಕ</u>		
75-75-7 75-7 75-7							75-01-6		<u>.</u>	กดเ		
13.0 04-DEC-96 R. 52856-04 DRO March Dross							5 6	Vinyl chloride / Chloroethene	L 1	ฮก		
13.0 04-DEC-96 R. 52856-04 DEC D							7-60-0	Methylene chloride / Dichloromethane	1.1	ารก		
73-25-2 Bromotich loroethane 75-24-3 1,101ch loroethane 75-35-4 1,101ch loroethane 75-35-4 1,101ch loroethane 76-97-5 1,201ch loroethane 77-90-5 1,201ch loroethane 77-90-5 1,12-101ch loroethane 77-90-5 1,12-101ch loroethane 77-90-5 1,12-101ch loroethane 77-90-6 1,12-2-1111 77-34-5 1ct ach loroethane 77-34-5 1ct ach loroethane 77-34-5 1ct ach loroethane 71,12-2-111 77-34-5 1ct ach loroethane 71,12-2-111 77-34-5 1ct ach loroethane 71,12-2-111 77-34-5 1ct ach loroethane 71,12-2-111 77-34-5 1ct ach loroethane 71,12-2-111 77-34-5 1ct ach loroethane 71,12-2-111 77-34-5 1ct ach loroethane 71,12-2-111 77-34-5 1ct ach loroethane 71,12-2-111 77-34-5 1ct ach loroethane 71,12-2-111 77-34-5 1ct ach loroethane 71,12-2-111 77-34-5 1ct ach loroethane 71,12-2-111 77-34-5 1ct ach loroethane 71,12-2-111 77-34-5 1ct ach loroethane 71,12-2-111 77-34-5 1ct ach loroethane 71,12-2-111 77-34-5 1ct ach loroethane 71,12-2-111 77-34-5 1ct ach loroethane 71,12-2-111 77-34-36-3 1ct ach loroethane 71,12-2-111 74-0-36-111 74-0-36-111 74-0-36-111 74-0-36-11 74-0							0-CL-C/	Carbon disulfide	111			
75-37-4 Strondish crowthare 75-35-4 1,1-0 ich lorosthare 75-35-5 1,2-0 ich lorosthare 75-35-5 1,2-0 ich lorosthare 75-35-5 1,2-0 ich lorosthare 75-00-5 1,1-2-1 ich lorosthare 75-00-6 1,1-2-1 ich lorosthare 75-01-6 17-1 ich lor							75-25-2	Bromoform		5 5		
75-34-3 1,1-0 follor octation [1] 75-35-4 1,1-0 follor octation [1] 78-87-5 1,2-0 follor octation [1] 78-87-5 1,2-0 follor octation [1] 79-00-5 1,1,2-7 follor octation [1] 79-00-6 1,1,2-7 follor octation [1] 79-01-6 Ethinyl trickloraction [1] 79-34-5 Intrakoloraction [1] 740-28-6 Rt 52856-04 Reference [1] 740-28-7 Intrakoloraction [1] 740-28-7 Intrak							75-27-4	Bromodichloromethane	; <u>-</u>	135		
75-35-4 11-Dichloroethylere / 1,1- 78-87-5 1,2-Dichloroptopare 78-93-5 1,1-2-Tichloroethare 79-01-6 Trichloroethare / 1,1,2,2- 13.0 04-DEC-96 RL 52856-04 DRO /W 79-34-5 Tetrachloroethare / 1,1,2,2- 13.0 04-DEC-96 RL 52856-04 DRO /W 79-34-5 Tetrachloroethare / 1,1,2,2- 13.0 04-DEC-96 RL 52856-04 DRO /W 79-34-5 Tetrachloroethare / 1,1,2,2- 13.0 04-DEC-96 RL 52856-04 DRO /W 778-49-5 Tetrachloroethare / 1,1,2,2- 14.0 1-1- 15.0 04-DEC-96 RL 52856-04 DRO /W 778-49-5 Tetrachloroethare / 1,1,2,2- 17 10 10 10 10 10 10 10 10 10 10 10 10 10							75-34-3	1.1-Dichloroethane	- •	1 90		
78-97-5 1,2-Trichloroethere (17 1) 79-97-5 1,12-Trichloroethere (17 1) 79-97-6 1,12-Trichloroethere (17 1) 79-34-5 1-Trichloroethere (17 1) 78-34-5 -5 -5 1-Trichloroethere (17 1) 78-34-34-5 -34-34-34-34-34-34-34-34-34-34-							75-35-4		- •	הפר הפר		
78-87-5 1,2-Dichloropropane								, A.G. 16	-	ğ		
13.0 04-DEC-96 17-2 17-2 17-2 17-2 17-3 17							78-87-E					
79-75-5 Netrily ericil ktone / 2-Bitanone 17 15 79-74-5 Trichloroethane / 11-15 79-74-5 Trichloroethane / 11-12-1-11-11-11-11-11-11-11-11-11-11-11							78-07	1,2-Ulchloropropene		ತ		
79-34-5 1-1,2-Trichloroethene 17 79-34-5 Trichloroethylare Trichloroethene 17 79-34-5 Trichloroethylare 11,2,2-							2.0.2	Methyl ethyl ketone / 2-Butanone		UGL		
13.0 04-DEC-96 RL 52856-04 DRO /4 13.0 04-DEC-96 RL 52856-04 DRO /4 14.0							2-96-5 20-52 20-52	1,1,2-Trichloroethane	11 1	5		
13.0 04-DEC-96 RL 52856-04 DRD /W							/A-01-6	Trichloroethylene /Trichloroethene /	- 1	i i i		
Tetrachloroethane / 1,1,2,2-							;	Ethinyl trichloride /T*		5		
Tetrachlorethane / Acetylene * Unknown compound 0552					٠		79-34-5	Tetrachloroethane / 1,1,2,2-	11 1	101		
13.0 04-DEC-96 RL 52856-04 DRO /W										Š		
13.0 04-DEC-96 RL 52856-04 DRO /W Diesel range organics LT 1 1 1 1 1 1 1 1 1								Unknown compound 052	^	=		
13.0 04-DEC-96 RL 52856-04 DRO /W GP81/W 7439-92-1 Lead GRO /W GSELI/W 7440-28-0 Antimory ICM1/W 7440-28-0 Antimory ICM1/W 7440-38-0 Antimory ICM1/W 7440-43-9 Cadmium ICP2/W 7429-90-5 Aluminum ICP2/W 7439-95-4 Magnesium 7440-23-5 Sodium 7440-23-5 Sodium 7440-23-5 Sodium 7440-23-5 Cabelt ICT 100 7440-47-7 Berium ICT 100								Xylenes, total combined	, .	700		
13.0	7.6.0000	;						trans-1,3-Dichloropropene	: -	3		
7439-92-1 Lead Gasoline range organics 7782-49-2 Selenium 7440-28-0 7440-28-0 7440-38-2 Antimony 7440-38-2 Antimony 7440-38-2 Aluminum 7439-90-5 Aluminum 7440-02-0 7440-02-0 7440-02-0 7440-02-0 7440-33-5 8arium LT 200 LT 200 LT 50	MUYU115X	13.0	04-DEC-96	귍		DRO /W		Diesel rande ordanice	-			
7782-49-2 Selenium range organics LT 3 740-28-0 Thattium 7439-7-6 Mercury 7440-36-0 Antimony 7440-43-9 Cadmium 7440-43-9 Cadmium 7439-90-5 Aluminum 7440-22-4 Silver 7440-23-5 Sodium 7440-33-5 Sodium 7440-33-5 Chromium 7440-48-4 Cobelt 7440-48-4 Cobelt						GPB1/W	7439-92-1		•	5		
7782-49-2 Selentum Marcury 1782-49-2 Selentum Marcury 1740-28-0 Thattium 1740-38-1 Antimony 1740-38-2 Arsenic 1740-38-2 Arsenic 1740-43-9 Selentum 1740-43-9 Selentum 1740-43-9 Selentum 1740-43-9 Selentum 1740-43-9 Selentum 1740-43-9 Selentum 1740-43-9 Selentum 1740-43-9 Selentum 1740-43-9 Selentum 1740-43-9 Selentum 1740-43-9 Selentum 1740-43-9 Selentum 1740-43-9 Selentum 1740-43-9 Selentum 1740-43-9 Selentum 1740-47-3 Chromium 1740-47-3 Chromium 1740-48-4 Cobeltum						GRO /u			n :	חפר		
7440-28-0 Thattium LT 5 7440-38-1 Antimony LT 10 7440-38-2 Arsenic LT 17 7440-38-2 Arsenic LT 17 7440-41-7 Beryltium LT 17 7440-41-7 Beryltium LT 17 7440-41-7 Beryltium LT 17 7440-90-5 Aluminum LT 200 7439-90-5 Hegresium LT 200 7439-90-5 Hegresium LT 200 7440-02-0 Nickel LT 40 7440-02-4 Silver LT 40 7440-22-4 Silver LT 10 7440-39-3 Barium LT 200 7440-47-3 Chromium LT 200 7440-48-4 Cobalt LT 50						GSF1/U	7782-40-2	cesourie range organics	•	ฮ		
7439-20-0 Institum 7439-76 Mercury 7440-36-2 Antimony 7440-36-2 Ansenic 7440-41-7 Beryllium 7420-90-5 Aluminum 7429-90-5 Aluminum 7429-90-6 Iron 7439-95-4 Maganesium 7439-96-5 Manganese 7440-02-0 Nickel 7440-02-0 Nickel 7440-09-7 Potassium 7440-09-7 Potassium 7440-22-4 Silver 7440-39-3 Barium 7440-47-3 Chromium 7440-48-4 Cobelt 7440-48-4 Cobelt						GT 1 7.0	7-44-3011			rer ner		
7440-37-7 Mercury 7440-38-0 Antimory 7440-38-0 Antimory 7440-41-7 Beryllium 7440-43-9 Cadmium 7440-43-9 Cadmium 7430-90-5 Alumirum 7439-90-6 Iron 7439-96-5 Magnesium 7439-96-5 Magnesium 7439-96-5 Mickel 7440-02-0 Nickel 7440-02-4 Silver 7440-22-4 Silver 7440-23-5 Sodium 7440-23-5 Chromium 7440-47-3 Chromium 7440-48-4 Cobelt						1001	0-07-044/			UGL		
7440-30-0 Antimony 7440-30-0 Antimony 7440-30-0 Antimony 7440-30-0 Antimony 7440-30-0 LT 5						100 L	7/10 1/10	Hercury		ner Ner		
7440-43-7 Reryllium LT 5 7440-43-9 Cadmium LT 1 7429-90-5 Alumirum LT 200 7439-89-6 Iron LT 100 7439-89-6 Iron LT 100 7439-96-5 Manganese LT 10 7440-02-0 Nickel LT 40 7440-02-4 Silver LT 10 7440-23-5 Sodium 56200 7440-47-3 Chromium LT 200 7440-47-3 Chromium LT 50						* \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	740-70-0	Antimony	- 1	ner		
7440-43-7 Beryllium LT 1 7429-90-5 Aluminum LT 20 7439-95-4 Magnesium LT 200 7439-95-4 Magnesium LT 100 7439-96-5 Manganese LT 100 7440-02-0 Nickel LT 40 7440-09-7 Potassium LT 5000 7440-22-4 Silver LT 40 7440-23-5 Sodium 56200 7440-47-3 Chromium LT 200 7440-47-3 Chromium LT 500							7-96-044/	Arsenic	L1 5	190		
7440-43-9 Cadmium LT 1 7429-90-5 Aluminum LT 200 7439-90-6 Iron LT 100 7439-95-4 Magnesium LT 100 7439-96-5 Manganese LT 100 7440-02-0 Nickel LT 40 7440-09-7 Potassium LT 5000 7440-22-4 Silver LT 10 7440-23-5 Sodium S6200 7440-47-3 Chromium LT 200 7440-48-4 Cobelt LT 50							7440-41-7	Beryl i i i i i i i i i i i i i i i i i i i	11 1	1 2		
7429-90-5 Aluminum 7429-90-5 Aluminum 7439-89-6 Iron 7439-95-4 Magnesium 7439-96-5 Manganese 7440-02-0 Nickel 7440-09-7 Potessium 7440-47-3 Chromium 7440-47-3 Chromium 7440-48-4 Cobalt 7459-90-5 Aluminum 7440-48-4 Cobalt							7440-43-9	Cachrium	: =	3 <u>2</u>		
Iron						ICP2/V	7429-90-5	Atuning		100		
Magnesium 17500 Manganese LT 15 Nicket LT 40 Potassium LT 500 Silver LT 10 Sodium 56200 Barium LT 200 Chromium LT 20 Cobelt LT 50							7439-89-6	Lon		3 2		
Manganese LT 15 Nicket LT 40 Potassium LT 500 Silver LT 10 Sodium 56200 Barium LT 200 Chromium LT 20 Cobelt LT 50							7439-95-4	Magnesium		3 5		
Nicke							7439-96-5	Mananese		100		
Potassium LT 5000 Silver LT 10 Sodium 56200 Barium LT 200 Chromium LT 200 Chromium LT 50							7440-02-0			J		
Silver Sodium 56200 Barium LT 200 Chromium LT 200 Cobelt LT 50							2440-09-7	Potessium		3		
Sodium 56200 Barium LT 200 Chromium LT 10 Cobelt LT 50							7440-22-4	Silver		1 90 :		
Barium LT 200 Chromium LT 10 Cobelt LT 50							7440-23-5	Sodium		5		
Chromium LT 10 Cobelt LT 50							7440-39-3			ಶ :		
Cobalt LT 50							7440-47-3	Chronian		<u>ප්</u>		
חכ ו							7440-48-4	Cobalt		ತ್ತ :		
	•		•							ner		

MU-09-01

^{* -} Analyte Description has been truncated. See Data Dictionary

15-JAN-97

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW 15-JAN-75

15-JAN-97	
e: UI-JAN-75	
sampling nate kange:	

	EPA Data	Quals	:																																									
	Data	Quats																																										
	Unit Flag	Meas Codes	1101	ายก	ner	1 1 1 1	E	101	j 5	3	3 3	101	d =	.	UGL	150	1 150	[<u>.</u>		101	3 5	351	, e	75.	3 2	3 5		1 10	d =	3	5	d 15	[]	1911	1917	<u> </u>	1911	7	ner	i i	ner	i S	กดเ	2
	e e	BO CONC	-	LT 50	LT 20		11 25		; <u>-</u> :		1 2				LT 10	LT 10	LT 35		17				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		17 10				: <u>-</u>			17		11 10			10		LT 25			LT 10		LT 10
78-NED-C1	Analyte December		Copper	Vanadium	Zinc	calcium	4-Nitroaniline	4-Nitrophenol	2,4-Dimethylphenol	D-Cresol / 4-Cresol / 4-Methylphenol	1,4-Dichlorobenzene	4-Chloroaniline	Bis(2-chloroisopropyl) ether	Phenol / Carbolic acid / Phenic acid	Bis(2-chloroethyl) ether	Bis(2-chloroethoxy) methane	Bis(2-ethylhexyl) phthalate	Di-n-octyl phthalate	Hexachlorobenzene	Anthracene	1,2,4-Trichlorobenzene	2,4-Dichlorophenol	2,4-Dinitrotoluene	Benzo[def]phenanthrene / Pyrene	Dimethyl phthalate	Dibenzofuran	Benzo[qhi]pervlene	Indeno[1,2,3-C,0]pyrene	Benzo[b] fluoranthene / 3.4-	Benzofluoranthene	Fluoranthene	Benzo [k] f Luoranthene	Acenaphthylene	Chrysene	Benzo [a] pyrene	2,4-Dinitrophenol	Dibenz[ah]anthracene / 1,2:5,6-	Dibenzanthracene	4,6-Dinitro-2-cresol / 2-Methyl-4,6-	dinitrophenol	1,3-Dichlorobenzene		3-Methyl-4-chlorophenol / 4-Chloro-3-	2,6-Dinitrotoluene
Bigu area	CAS No.		7440-50-8	7440-62-2	9-99-055	2-02-0552	100-01-6	100-02-7	105-67-9	106-44-5	106-46-7	106-47-8	108-60-1	108-95-2	111-44-4	111-91-1	117-81-7	117-84-0	118-74-1	120-12-7	120-82-1	120-83-2	121-14-2	129-00-0	131-11-3	132-64-9	191-24-2	193-39-5	205-99-2		506-44-0	207-08-9	208-96-8	218-01-9	50-32-8	1-28-5	3-70-3		534-52-1	1	41-73-1	56-55-3	7-05-6	606-20-2
B	Meth/ Matrix		1CP2/W				SMV1/W																								••	••	••	•	•		•		•	•	. .	un I	n	•
	Lab Antv. No.		RL 52856-04																																									
	Sample Date	;	04-DEC-96																																									
	Depth		13.0																																									
	Field Sample No.		M090113X																																									
	Site ID		MM-09-01																																									
	Site Type		MELL																																									

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGN Sampling Date Range: 01-JAN-75

15-JAN-97

Site Type

He Unit Flag Bo Conc Heas Codes		Data EPA Data Quals Quals	,																															
Field Sample Lab Meth, Wo. Metrix CAS No. Analyte Description MOPOITI3X 13.0 04-DEC-96 RL 52856-04 SWVI/W 021-64-7 N-Witrosodi-n-propylamine LT 77-7-4 Hexachlorocyclopentadiene LT 78-59-1 Spoknorow Copentadiene LT 78-59-1 Spoknorow Copentadiene LT 84-74-7 Hexachlorocyclopentadiene LT 78-59-1 Spoknorow Copentadiene LT 78-59-1 Spoknorow Copentadiene LT 84-74-6-2 Diethyl phthalate LT 84-74-6-2 Diethyl phthalate LT 84-74-6-2 Diethyl phthalate LT 84-74-7 Hexachlorocyclopentadiene LT 86-73-7 Alucrome Phenanthrene LT 86-73-7 Clubrome Phenanthrene LT 87-86-5 Pentachlorochenol LT 87-86-7 Pentachlorochenol LT 97-80-7 Clubromehol Clubromehol LT 97-80-7 Clubromehol Clubromehol Clubromehol LT 97-80-7 Clubromehol Clubrome		Flag Codes		ายก	กดเ	ner	ner			1 I	- Tool	3 5	1911	3 2	, s	!	net.	195	190	1 1 1 1	190	190	1 5	190	55	190] 	19n	195	9 9 9	ายก	ner ner	ign Mer	
Field Sample Lab Anly, No. Matrix CAS No. M090113X 13.0 04-DEC-96 RL 52856-04 SMV1/W 621-64-7 M090113X 13.0 04-DEC-96 RL 52856-04 SMV1/W		Me Bo Conc													-		11 25																	
Field Sample Lab Anly. No. Matrix M090113X 13.0 04-DEC-96 RL 52856-04 SMV1/W		Analyte Description	N-Nitrosodi-n-propylamine	Hexachloroethane	Mexachlorocyclopentadiene	Isophorone	Acenaphthene	Diethyl phthalate	Di-n-butyl phthalate	Phenanthrene	Butylbenzyl phthalate	N-Nitrosodiphenylamine	Fluorene / 9H-Fluorene	Carbazole / 9H-Carbazole	Hexachlorobutadiene / Hexachloro-1.3-	butadiene	Pentachlorophenol	2,4,6-Trichlorophenol	2-Nitroaniline	2-Nitrophenol	Naphthalene / Tar camphor	2-Methylnaphthalene	2-Chloronaphthalene	3,3'-Dichlorobenzidine	o-Cresol / 2-Cresol / 2-Methylphenol	1,2-Dichlorobenzene	2-Chlorophenoi	2,4,5-Trichlorophenol	Nitrobenzene / Essence of mirbane /	Oil of mirbane	3-Nitrosniline	4-Bromophenyl phenyl ether	4-Chlorophenyl phenyl ether	
Field Sample Lab Anly. No. Matrix M090113X 13.0 04-DEC-96 RL 52856-04 SW1/W		CAS No.	621-64-7	1-21-10	4-14-11	78-59-1	83-32-9	84-66-2	84-74-2	85-01-8	85-68-7	36-30-6	36-73-7	36-74-8	37-68-3		37-86-5	38-06-2	74-4	38-75-5	71-20-3	1-57-6	1-58-7	1-94-1	7-48-7	5-50-1	5-57-8	5-95-4	8-95-3		9-09-2			,
Field Sample Lab Anly. No.	gui i dine	Meth/ Matrix					-	-	_	_	_	_	_	_	_		_	_	~	_	•	_	_	•	<u>.</u>	_	.	5	5		.			
Sample No. Depth	•	Lab Lab Anly. No.																																
Sample No.																																		
		_																																
Site 10 10-09-01		Field Sample No.	M090113X																															

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JS 1

11

Styrene / Ethenylbenzene / Styrol /
Styrolene / Cinnamene *
cis-1,3-Dichloropropylene / cis-1,3Dichloropropene
1,2-Dichloroethane

10061-01-5

107-06-2 108-10-1

100-41-4

12 Z

LT 1 LT 5

Methyl isobutyl ketone / Isopropylacetone / 4-Methyl-2-pen*

roluene

108-88-3 108-90-7 124-48-1

127-18-4

222

Chlorobenzene / Monochlorobenzene Dibromochloromethane / Chlorodibromomethane

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75 28-JAN-97

EPA Data Quals		
Data Quals		
Unit Flag Meas Codes	400 000 000 000 000 000 000 000 000 000	> 0 000 P
0	:	16 22.6 11.1 11.2 11.2 11.5 11.5
Analyte Description	Fluorene / 9H-Fluorene Carbazole / 9H-Carbazole Hexachlorobutadiene / Hexachloro-1,3- butadiene Pentachlorophenol 2,4,6-Trichlorophenol 2-Nitrophenol Naphthalene / Tar camphor 2-Nitrophenol Naphthalene / Tar camphor 2-Hethylnaphthalene 3,3'-Dichlorobenzidine o-Cresol / 2-Cresol / 2-Methylphenol 1,2-Dichlorobenzene 2-Chlorophenol 2,4,5-Trichlorophenol Nitrobenzene / Essence of mirbane / 0il of mirbane 3-Nitrophenyl phenyl ether 4-Chlorophenyl phenyl ether 4-Chlorophenyl phenyl ether Unknown compound 564 Unknown compound 564 Unknown compound 565 Unknown compound 565 Unknown compound 580 Unknown compound 580 Unknown compound 580 Unknown compound 596 Unknown compound 596 Unknown compound 596 Unknown compound 698 Unknown compound 698 Unknown compound 698 Unknown compound 698 Unknown compound 698	Diesel range organics Lead Gasoline range organics Selenium Thallium Mercury Antimony Arsenic
CAS No.	86-73-7 86-74-8 87-68-3 87-86-5 88-06-2 88-75-5 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-6 91-57-8 95-50-1 95-95-3	7439-92-1 7782-49-2 7440-28-0 7440-36-0 7440-38-2
Meth/ Matrix	SMV2/S	DRO /S GPB1/S GRO /S GSE1/S GTL1/S HGC1/S ICM1/S
Lab Lab Anly. No.		RL 52678-10
Sample Date	96-NON-96	19-NOV-96
Depth	0.1	2.0
Field Sample No.	SM90101X	SMMO10ZX
Site Site Type ID		10- M M-ss

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO

	EPA Data Quals																																							
	Data Quals	:																																						
	Unit Flag Meas Codes	N 990	8A 550	90 000	8A 990		^ 99n	A 590	v 550	> : 000 :	> 550 200	> > 9 0	> > 900	> > 990	> > 990	> 59n	^ 990		^ 99n	> : 000	> : 090	> 250	> 250	^ 99f1	> > 990	> 250	> 550	> : 990	> > 990	> > 990	-	> 550	A 990	A 550	NGG V	7 ngg v	> 990	^ 99n	^ 59n	^ <u>99</u> 0
	Me Bo Conc	1. 1.	26300	15300	1100	8.97			LT 1000	ואַנ	49.2 2.7	24.5	128	69.2				LT .33		. 33				11 .33				17 .33	5. F.								33	LT .33		. 33
File Type: CSO 01-JAN-75 28-JAN-97	Analyte Description	Cachium	Atuniam	Magnesium	Manganese	Nickel	Potassium	Silver	ED-COG			Copper	Vanadium	Zinc	Calcium	4-Nitroaniline	4-Nitrophenol	Z,4-Dimethylphenol	1 4-Dichlonchement	1,4-Dichiologenzene 4-Chlorogniiio	Bis(2-chlorojeopropy) ether	Phenol / Carbolic acid / Phenic acid	/ Phenylic acid / Phe*	Bis(2-chloroethyl) ether	Bis(2-chloroethoxy) methane	Bis(2-ethylhexyl) phthalate	Di-n-octyl phthalate	Hexach (orobenzene Anthracene	1,2,4-Trichlorobenzene	2,4-Dichlorophenol	2,4-Dinitrotoluene	Benzoldef]phenanthrene / Pyrene	Dimethyl phthalate	Dibenzofuran	Benzolghijperylene	Reprofbl4Liggentham / 2 /-	Benzofluoranthene	Fluoranthene	Benzo(k) fluoranthene Acenepthylene	مردا الوامات الراداء
File T Date Range: 01-JAN-75	CAS No.	7440-43-9	7439-89-6	7439-95-4	7439-96-5	7440-02-0	7-60-09-7	7440-22-4	7440-29-3	2,79-0792	7440-48-4	7440-50-8	7440-62-2	9-99-077	7440-70-2	9-10-001	100-02-7	103-67-9	106-44-7	106-47-8	108-60-1	108-95-2		111-44-4	111-91-1	117-81-7	117-84-0	120-12-7	120-82-1	120-83-2	121-14-2	129-00-0	151-11-5	132-04-9	2-62-20	205-99-2		0-44-0	208-96-8)
Sampling D	Meth/ Natrix	ICM1/S	201/3													S/7AMS															•			•	•	•				,
	Lab Anly. No.	RL 52678-10																																						,
	Sample Date	19-NOV-96																																						
	Depth	2.0																																						
	Field Sample No.	SIM0102X																																						•
	Site 1D	SS-WN-01																																						
	Site Type	PLUG																																						

* - Analyte Description has been truncated. See Data Dictionary

28-JAN-97

Field Sample No.

Site Site
Type ID
---PLUG SS-WW-01

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75

	EPA Data Quals																																													
	Data Quals																																													
	Unit Flag Meas Codes		> > SSI	> SSO	v 250		N 990			NGG V	V 55U		V DOU	NGG V	V DGG V	> 99n		_		> > 990		> > 550		> 550 > 551			^ 990							A 550		A 550					^ 550 000		v 200	V 50U		
	Me Bo Conc				LT .6		. LT 1			5	i- LT .33		LT .33														_								LT .33		LT .33				LT .33		LT .8	LT .33		_
	Analyte Description	Chrysene	Benzo [a] pyrene	2,4-Dinitrophenol	Dibenz[ah]anthracene / 1,2:5,6-	Ulbenzanthracene	4,6-Dinitro-2-cresol / 2-Methyl-4,6- dinitrophenol	1 2 0 to be a substantial	7.3-UICHIOFODENZENE	Benzo (a) anthracene	3-Methyl-4-chlorophenol / 4-Chloro-3-	cresor / 4-chloro-3-m*	Z,6-Dinitrotoluene	N-Nitrosodi-n-propylamine	Hexachloroethane	Hexachlorocyclopentadiene	Isophorone	Acenaphthene	Diethyl phthalate	Di-n-butyl phthalate	Phenanthrana	Butylbenzyl phthalate	N-Witrosodinhon/lemine	Figurene / OH-Figurene	Carbatole / Ou-Carbatole	Hovorhi onohitodiono / Houselties 4 3	hitadions	Dutagrene	Pentachlorophenol	2,4,6-Trichlorophenol	Z-Nitroaniline	Z-Nitrophenol	Naphthalene / Tar camphor	2-Methylnaphthalene	2-Chloronaphthalene	3,3'-Dichlorobenzidine	o-Cresol / 2-Cresol / 2-Methylphenol	1,2-Dichlorobenzene	2-Chlorophenol	2,4,5-Trichlorophenol	Nitrobenzene / Essence of mirbane /	Oil of mirbane	3-Nitroaniline	4-Bromophenyl phenyl ether	4-Chlorophenyl phenyl ether	Unknown compound 539
	CAS No.	218-01-9	50-32-8	51-28-5	53-70-3		554-52-1	5/1-77-1	54-1-13-1 54-55-7	20-22-2	29-50-7		7-07-ong	7-49-129	67-72-1	77-47-4	78-59-1	83-32-9	84-66-2	84-74-2	85-01-8	85-68-7	86-30-6	86-73-7	86-74-8	87-68-3	3	2 70 20	0,-00-70	2-90-88	4-4/-00	88-73-3	21-50-3	9-75-16	91-58-7	7-76-16	95-48-7	95-50-1	95-57-8	95-95-4	98-95-3		69-09-2			
	Meth/ Matrix	SMV2/S																																												
•	Lab Lab Anly. No.	RL 52678-10																																												
	Sample Date Lai	96																																												
	. Depth	2.0																																												

* - Analyte Description has been truncated. See Data Dictionary

EPA Data Quals

Data Quals

Unit Flag Meas Codes

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO 28-JAN-97

Unknown compound 551 Unknown compound 616 Unknown compound 614 Unknown compound 615 Unknown compound 623 Analyte Description Lab Anly. No. Matrix CAS No.

Sample Date

Field Sample No. SW40102X

Site 10

Site Type

2.0 Depth

SS-WW-01

** End of Report - 626 Records Found **

Unknown compound 630 Unknown compound 637 Unknown compound 640 Unknown compound 660 Unknown compound 671

SOIL BORINGS - SUBSURFACE SOIL

ABB Environmental Services, Inc.

Site Site
Type ID
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BORE SB-08-01

Final Documentation Appendix Report nstallation :Fort Allen, Puerto Rico File Type: CSO
Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO

					Sampling	Date Range:	g Date Range: 01-JAN-75 28-JAN-97					
	;	•	•	rap				æ	5	Unit Flag	Data	EPA Data
Sample No.	Depth	Date	Lab	Lab Anly. No.	Matrix	CAS No.	Analyte Description	Bo Conc	Me		Quals	Quals
	12.0	-	ā	52478-01				: :	: :			
			!		GPR1/S	7,40-02,1	Crose Tange of gamers	, ,	990			
					2 C C C C C C C C C C C C C C C C C C C	- 36 651			990	: 24 : 30		
					GEET/C	7702-70-3	dasotine range organics	٠. : :	990	> :		
					G71-1/3	7-44-70//		- « : :	ຶ່ງ	> :		
					61113	0-07-044/		LT 2	Š	>		
					1011/3	0-14-46+1	Mercury	LT .2	Š	>		
					ICM1/S	7440-36-0	Antimony	11 .2	Ś	>		
						7440-38-2	Arsenic	2.57	Θ̈́Ω	> 5		
						7-17-0-47	Beryllium		ซัก	>		
						7440-43-9	Cadmium	LT .2	อับ	> 5		
					ICP1/S	7429-90-5	Aluminum	25400	ฐ			
						i		24300	ซัก			
						7439-89-6	Iron	51000	nœ			
								47100	ŋ			
						7439-95-4	Magnesium	17500	990			
								18200	ngr			
					-	7439-96-5	Manganese	957	ngς			
							•	973	ρ			
						7440-02-0	Nickel		ซัก	>		
						7-40-04-7	Potassium	LT 1000	J9N	> ,,,		
									990	>		
						7440-22-4	Silver		990	>		
								44.1	חפפ	>		
						7440-23-5	Sodium	1580	SON	>		
								1350	990	>		
						7440-39-3	Barium	196	990	>		
								152	DOU	>		
						7440-47-3	Chromium	62.8	990	>		
						7440-48-4	Cobalt	54.4	990	>		
						i	1	251	990	>		
						7440-50-8	Copper	48.5	99N	>		
						7-79-044/	Vanadium	192	990	>		
						7440-00-0	2017	8.69	990	>		
						7-07-0447	calcium	14000	ngg	>		
						, , , , ,			99N	>		
					SWVZ/S	100-01-6	4-Nitroaniline		990	>		
						100-02-7	4-Nitrophenol		990	>		
						105-67-9	2,4-Dimethylphenol		990			
						106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol		nge	>		
						106-46-7	1,4-Dichlorobenzene	LT .33	990	>		
						106-47-8	4-Chloroaniline		nee	>		
						108-60-1	Bis(2-chloroisopropyl) ether		990	>		
						108-95-2	Phenol / Carbolic acid / Phenic acid		DOU	>		
							/ Frienytic acid / Prie*					

^{* -} Analyte Description has been truncated. See Data Dictionary

Site Site
Type ID
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BORE SB-08-01

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO 28-JAN-97

28-JAN-97	
CJ-NAC-LO	
Sampling Date Kange:	
Sempling	

EPA Data Quals																																																
Data Quals	:																																															
Unit Flag Meas Codes	: ×	· >	· >	>	· >	> >	> :	>	>	>	>	> >	· >	> ;	> ;	> ;	>		>	>	. >	• >			>	>		>		>	>	· >	•	>	· >	• >	• >	• >	> >	> :	> :	>	>	>	>	>	> >	•
Unit Meas	990	991	990	990	1001	991	3	990	990	990	990	201	9911		300	990	990		990	990	991	3 5		9	ອ	990		990		990	990	990	3	ยยเ	991	991	991	991	5 5	200	300	300	990	950	990	990	991	;
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Analyte Description	Bis(2-chloroethyl) ether	Bis(2-chloroethoxy) methane	Bis(2-ethylhexyl) phthalate	Di-n-octyl phthalate	Hexachlorobenzene	Anthracene	1.2 / Tailet Carles 1,2,4-11 tentoroenzene	Z,4-Dichlorophenol	2,4-Dinitrotoluene	Benzo[def]phenanthrene / Pyrene	Dimethyl phthalate	Dibenzofuran	Benzo fah i Deervi ene	Todono (4 2 %) Column		Benzolbjrtuorantnene / 5,4-	Benzor (Loranthene	Fluoranthene	Benzo [k] fluoranthene	Acenaphthylene	Chrysens	Renzofelmene		Z,4-Dinitrophenol	Dibenz[ah]anthracene / 1,2:5,6-	Dibenzanthracene	4,6-Dinitro-2-cresol / 2-Methyl-4,6-	dinitrophenol	1,3-Dichlorobenzene	Benzo [a] anthracene	3-Methyl-4-chlorophenol / 4-Chloro-3-	cresol / 4-chloro-3-m*	2,6-Dinitrotoluene	N-Witrosodi-n-Dropylamine	Hexachloroethane	Hexach lorocyclopentadiene	Isophorone	Acenachthene	Dieth<	Di-5-12-12-12-12-12-12-12-12-12-12-12-12-12-	מוריים לי ליונים ופופום	recentarene	Butylbenzyl phthalate	N-Nitrosodiphenylamine	Fluorene / 9M-Fluorene	Carbazole / 9H-Carbazole		
CAS No.	111-44-4	111-91-1	117-81-7	117-84-0	118-74-1	120-12-7	120-82-1	120 021	7-50-07	121-14-2	129-00-0	131-11-3	132-64-9	101-24-2	103.70.5	20K-00-2	7-44-607	:	206-44-0	207-08-9	208-96-8	218-01-9	50-12-A	F1. 28. F	207.16	22-70-5		534-52-1		541-73-1	56-55-3	59-50-7		606-20-2	621-64-7	67-72-1	7-25-22	78-59-1	83-32-9	2-99-78	84-74-2		07-01-0	22-04-V	86-30-6	86-73-7	86-74-8	87-68-3
Meth/ Matrix	SMV2/S																																															
tab Lab Anly. No.																																																
Sample Date	96																																															
Depth	12.0																																															
Field Sample No.	B080112X																																															

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN)

							Sampling		Date Range: 01-JAN-75				
Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab	Lab Antv. No.	Meth/	CAS No	A STATE OF S	Œ (Data	EPA Data
					:			200	Analyte Description	Bo Conc		Quals	Quals
BORE	SB-08-01	B080112X	12.0	19-NOV-96	R	52678-01	SMV2/S	87-68-3	Hexachlorobutadiene / Hexachloro-1,3-		V DGU	• • •	! ! ! !
								9-70-C0	butadiene Postocki				
								88-06-2	Z & K-Trichlorophanal	8. 1.	\ 000 \ \ 000		
								7-72-88	2-Kitroeniline				
								88-75-5	2-Nitrophenol) oge		
								91-20-3	Naphthalene / Jar camphor				
								91-57-6	2-Methylnaphthalene				
								91-58-7	2-Chloronaphthalene				
								91-94-1	3,3'-Dichlorobenzidine		> > 991		
								2-48-5	o-Cresol / 2-Cresol / 2-Methylphenol				
								95-50-1	1,2-Dichlorobenzene		> > 991		
								95-57-8	2-Chlorophenol				
								95-95-4	2,4,5-Trichlorophenol				
								98-95-3	Nitrobenzene / Essence of mirbane /				
									Oil of mirbane				
								2-60-66	3-Nitroaniline		NGG V		
									4-Bromophenyl phenyl ether	LT .33	v 590		
									4-Chlorophenyl phenyl ether	.33	v 55U		
										9 E -2			
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										8 E -2			
										~:			
									Unknown compound 623	4	UGG VB		
										~:			
	CO-80-03	XC10000	•	70	i				Unknown compound 637	_			
	30-00-ge	BUSUELER	12.0	12.0 19-NOV-96	굺	52678-02	DRO /S	!	Diesel range organics	LT 4			
		•					GPB1/S	7439-92-1	Lead	2.13	VG BV		
							GRO /S		Gasoline range organics	17.5			
							GSE1/S	7782-49-2	Selenium	~	A 9911		
							GTL1/S	7440-28-0	Thallium	LT 2	> > 5511		
							HGC1/S	2439-97-6	Mercury	17.2	> 290 290		
							ICM1/S	7440-36-0	Antimony		> 500		
								7440-38-2	Arsenic		^ 99n		
								7440-41-7	Beryllium	.428	> 200 000		
								7440-43-9		11 .2	> > 990		
							ICP1/S	7429-90-5	uru		UGG VR		
								7439-89-6	Iron	40700			
								7439-95-4	Magnesium	17800	-		
								7439-96-5	Manganese	1410	UGG VB		
								7440-02-0		45.7	V 25U		
								7440-22-4	Silver	LT 7000	> > 000 000		
		•									>		
Ē ,	nalyte Descr	 Analyte Description has been truncated. 	en trunc		Data D	See Data Dictionary							

28-JAN-97

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN)

28-JAN-97	
Sampling Date Range: 01-JAN-75	

Sample Lab Anly. No. P. 12.0 19-NOV-96 RL 52678-02 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4:6	-					gui idimes	uate Kange: UI-JAN-/5	U1-JAN-75 28-JAN-97				
2000212X 2.0 19-107-96 R. 25078-02 17975 2440-29-3 Section 1409 14	2 CE	Sample No.	Depth	Sample Date	Lab	Lab Anly. No.	Meth/ Matrix	CAS No.	Ana Change inting	Fe C	Unit Flag		
12.0 19-407-96 R. 25678-02 Cichate 2600 Cic					:					ם רפעכ	meas codes		
7440-39-3 Barium 7440-47-3 Chromium 7440-47-3 Chromium 7440-60-8 Copper 7440-60-8 Copper 7440-60-2 Vanadium 7440-60-2 Vanadium 7440-60-2 Vanadium 7440-60-2 Vanadium 7440-60-2 Vanadium 7440-60-2 Vanadium 7440-60-2 Vanadium 7440-60-2 Vanadium 7440-60-2 Vanadium 7440-60-2 Vanadium 7440-60-2 Vanadium 7440-60-2 Vanadium 7460-70-1 Calcium 7460-70-2 Calcium 7460-70-2 Calcium 7460-70-3 Calcium 7460-70-7 Calcium 7460-7 Calcium 7	-08-02	B080212X	12.0	19-NOV-96	R	52678-02	ICP1/S	7440-23-5	Sodium			-	
7440-47-3 Chromium 7440-47-3 Chromium 7440-68-4 Cobalt 7440-68-5 Chalcium 7440-68-6 Copper 7440-68-6 Zho 7440-68-6 Zho 7440-68-6 Zho 7440-68-6 Zho 7440-68-6 Zho 7440-68-6 Zho 7440-68-6 Zho 7440-68-6 Zho 7440-68-7 Chalcium 100-01-6 4-Mitroaniline 110-01-7 Zhouleinoodenzene 110-02-7 Zhouleinoodenzene 110-44-5 Phenot / Chrosol / 4-Methylphenol LT 33 UGG 106-47-6 Henot / Carbolic acid / Phenic acid / Phenot Chromodenzene 111-44-6 Bist2-chloroethyl) ether 111-14-4 Bist2-chloroethyl) ether 111-14-4 Bist2-chloroethyl) ether 111-14-4 Bist2-chloroethoxy methane 111-31 UGG 117-81-7 Bist2-chloroethoxy methane 111-31 UGG 117-84-0 Di-n-octyl phthalate 111-31 UGG 118-74-1 Muthracene 112-32-32-5 Lichlorobenzene 113-11-3 Dimethyl phthalate 11								7440-39-3	Barium	169	> > 188		
7440-48-4 Cobalt 7440-62-7 Vanadium 7440-62-6 Zinc 7440-62-6 Zinc 7440-62-6 Zinc 7440-62-7 Vanadium 7440-62-6 Zinc 7440-62-7 Vanadium 7440-62-7 Vanadium 7440-62-7 Vanadium 7450-62-6 Zinc 7440-62-7 Vanadium 7450-62-7 Vanadium 74-62-7 Vanadium 74-63-7 Vanadium 74-63-7 Vanadium 74-63-7 Vanadium 74-63-7 Vanadium 74-63-7 Vanadium 74-63-7 Vanadium 74-7 Vanadium								7440-47-3	Chromium	8 87	> >		
7440-50-8 Copper 7440-50-8 Copper 7440-6-6 Zinc 7440-6-6 Zinc 7440-6-6 Zinc 7440-6-6 Zinc 7440-6-6 Zinc 7440-6-6 Zinc 7440-6-6 Zinc 7440-6-6 Zinc 7440-6-6 Zinc 7440-6-6 Zinc 7440-6-6 Zinc 7440-6-6 Zinc 7440-6-6 Zinc 7440-6-7 Z.4-Dimethylphenol LT .33 UGG 1100-02-7 Z.4-Dimethylphenol LT .33 UGG 1100-64-5 J.4-Dintorobenzen LT .33 UGG 110-64-7 J.4-Dintorobenzen LT .33 UGG 111-91-1 Bis (Z-chilorobenzen LT .33 UGG 113-7-1 Anthracen LT .33 UGG 113-7-1 Dimethyl phthalate LT .33 UGG 113-7-1 Dimethyl phthalate LT .33 UGG 113-7-1 Dimethyl phthalate LT .33 UGG 113-7-1 Dimethyl phthalate LT .33 UGG 113-7-1 Dimethyl phthalate LT .33 UGG 113-7-2 Dimethyl phthalate LT .33 UGG 113-7-3 Dimethyl phthalate LT .33 UGG 113-6-9 Dimethyl phthalate LT .33 UGG 11-5 Dimethyl ph								7440-48-4	Cobalt	2,92	> > 391		
7440-62-2 Vandium 7440-66-6 Zinc 7440-66-6 Zinc 7440-66-6 Zinc 7440-66-6 Zinc 7440-66-6 Zinc 7440-66-6 Zinc 7440-66-6 Zinc 7440-66-7 Zinc 744								7440-50-8	Copper	2,95	> >		
7440-66-6 2inc 7440-70-2 Cacicum 13600 UGG 100-01-6 4-Hitrophenol 110-02-7 4-Hitrophenol 110-02-7 4-Hitrophenol 110-47-9 2-4-Dimethylphenol 110-44-5 1-4-Dimethylphenol 110-47-9 2-4-Dimethylphenol 110-47-9 2-4-Dimethylphenol 110-47-9 1-4-Dimethylphenol 110-47-9 1-4-Dimethylphenol 110-47-9 1-4-Dimethylphenol 110-47-9 1-4-Dimethylphenol 110-47-9 1-4-Dimethylphenol 111-44-9 Bis(2-chloroephyl) ether 111-44-9 Bis(2-chloroethyl) enol 112-31-1-2 Bis(2-chloroethylphenol 113-1-1-2 Bis(2-chloroethylphenol 113-1-1-2 Bis(2-chloroethylphenol 113-1-1-2 Bis(2-chloroethenol 113-1-1-3 Dimethyl phthalate 11-33 UGG 120-64-0 120-00-00-0 120-00-00-0 120-00-00-0 120-00-0 120-00-0 120-00-0 120-00-0 120-00-0 120-00-0 120-00-0 120-00-0 120-00-0 120-00-0 120-00-0 120-00-0 120-00-0 120-00-00-00-00-00-00-00-00-00-00-00-00-0								7440-62-2	Vanadius	141	> > > > > > > > > > > > > > > > > > > >		
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100-01-5								2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2)./0			
100-01-0 4-Nitroaniline 100-02-7 4-Nitrophenol 100-04-5 2,4-Dimkhylphenol 100-04-7 1,4-Chesol / 4-Cresol / 4-Nethylphenol 110-04-7 1,4-Chioroaniline 1106-04-8 100-02-7 1,4-Chioroaniline 1106-04-8 1106-04-9 1106-04-9 1106-04-9 1106-04-9 1106-04-9 1106-04-9 1106-04-9 1106-04-9 1110-04-0 1110-04-0 1111-04-4 1110-04-0 1111-04-4 1110-04-0 1110-							0,000	7-07-0447			_		
4-Witrophenol 4-Witrophenol 4-Witrophenol 5-4-Dimethylphenol 17.33 1,4-Dichlorobarzene 4-Chloroaniline 81s(2-chloroiaepropyl) ether 17.33 10GG 4-Chloroaniline 81s(2-chloroiaepropyl) ether 81s(2-chloroiaepropyl) ether 81s(2-chloroethyl) ether 81s(2-chloroethyl) ether 81s(2-chloroethyl) phthalate 81s(2-chloroethyl) phthalate 81s(2-chloroethyl) phthalate 81s(2-chloroethyl) phthalate 81s(2-chloroethyl) phthalate 81s(2-chloroethyl) phthalate 81s(2-chloroethyl) phthalate 81s(2-chloroethyl) phthalate 81s(2-chloroethyl) phthalate 81s(2-chloroethyl) phthalate 81s(2-chloroethyl) phthalate 81s(2-chloroethyl) 81s(2-chloroethyl) 81s(2-chloroethyl) 81s(2-chloroethyl) 81s(2-chloroethyl) 81s(2-chloroethyl) 81s(2-chloroethyl) 81s(2-chloroethyl) 81s(2-chloroethyl) 81s(2-chloroethyl) 81s(2-chloroethyl) 81s(2-chloroethyl) 81s(2-chloroethere 81s(2-chloroethyl) 81s(2-chloroethere) 81s(2-chloroet							SMVZ/S	9-10-001	4-Nitroaniline				
2,4-Dimethylphenol 17.33 UGG PCresol / 4-Cresol / 4-Methylphenol 17.33 UGG 14-Dimethylphenol 17.33 UGG 4-Chloroanniline acid / Phenol 2.33 UGG 4-Chloroanniline acid / Phenol 17.33 UGG Phenol / Carbolic acid / Phenol 17.33 UGG Phenol / Carbolic acid / Phenol 17.33 UGG Phenol / Carbolic acid / Phenol 17.33 UGG Phenol / Carbolic acid / Phenol 17.33 UGG 18.42-chloroathyl) phthalate 17.33 UGG 17.44-chloroathyl) phthalate 17.33 UGG 17.44-chloroathyl) phthalate 17.33 UGG 17.44-chloroathonol 2.4-Dichloroathonol 2.4-Dichlorobenzene 7.2-Dichlorobenzene 7.2-Dichloroathonol 7.3-Dichlorobenzene 7.2-Dichloroathonol 7.3-Dichlorobenzene 7.2-Dichloroathonol 7.3-Dichlorobenzene 7.2-Dichloroathonol 7.3-Dichlorobenzene 7.2-Dichloroathonol 7.3-Dichloroathonol 7.3-Dichloroathon								100-02-7	4-Nitrophenol				
p-Cresol / 4-Cresol / 4-Methylphenol LT .33 UGG 1,4-Dichlorobenzene								105-67-9	2,4-Dimethylphenol				
i,4-Dichlorobenzene 4-Chloroaniline 8 ist2-chloroaniline 8 ist2-chloroaniline 8 ist2-chloroaniline 8 ist2-chloroatyu) ether 1								106-44-5	1				
4-Chlorosniline Bis(2-chlorosniline Phenol / Carbolic acid / Phenic acid IT .33 UGG / Phenol / Carbolic acid / Phenic acid IT .33 UGG / Phenol / Carbolic acid / Phenic acid IT .33 UGG / Phenol / Carbolic acid / Phenic acid IT .33 UGG Bis(2-chloroethyl) ether IT .33 UGG Bis(2-chloroethyl) phthalate IT .33 UGG Bis(2-chloroethyl) phthalate IT .33 UGG Anthracene IT .33 UGG A-Trichlorobenzene IT .33 UGG 2,4-Dichlorobenzene Pyrene IT .33 UGG 2,4-Dichlorophenol IT .33 UGG 2,4-Dichlorophenol IT .33 UGG Benzolghiperylene J.4- IT .5 UGG Benzolghiperylene J.4- IT .5 UGG Benzolly fluoranthene J.4- IT .5 UGG Benzolly fluoranthene J.4- IT .33 UGG Chrysene IT .33 UGG Acchaphthylene IT .33 UGG Chrysene IT .33 UGG Dibenzanthacene J.2:5,6- IT .6 UGG Dibenzanthacene J.2:5,6- IT .6 UGG Dibenzanthacene J.2:5,6- IT .33 UGG Achintrophenol IT .33 U								106-46-7					
Bis(2-chloroisopropyl) ether Phenol / Carbolic acid / Phenic acid IT.33 UGG / Phenylic acid / Phe* Bis(2-chloroethyl) ether Bis(2-chloroethyl) ether Bis(2-chloroethyl) ether Bis(2-chloroethyl) ether Bis(2-chloroethyl) ether Bis(2-chloroethyl) phthalate IT.33 UGG Bis(2-chloroethoxy) methane IT.33 UGG IT.34 UGG IT.35 UGG IT.35 UGG IT.36 UGG IT.37 U								106-47-8	4-Chloropuiline				
Phenol / Carbolic acid / Phenic acid LT .33 UGG / Phenylic acid / Phene Bis(2-chloroethyl) ether Bis(2-chloroethyl) ether Bis(2-chloroethyl) phthalate LT .33 UGG Bis(2-chloroethoxy) methane LT .33 UGG LT .33 UGG Anthacene LT .33 UGG LA .4-Trichlorobenzene LT .33 UGG 2,4-Dinitrotoluene Benzoldeijphenanthrene / Pyrene LT .33 UGG 2,4-Dinitrotoluene Benzoldeijphenanthrene / Pyrene LT .33 UGG 2,4-Dinitrotoluene Benzoldeijphenanthrene / Pyrene LT .33 UGG Benzoldeijphene LT .33 UGG Benzoldeijphene Fluoranthene LT .33 UGG Acenaphthylene LT .33 UGG A								108-60-1	Rie(2-chlorofephomul) +then				
First Control of the control of th								108-95-2	Phenol / Cerbolic ecid / Dhenic ecid				
Bis(2-chloroethyl) ether Bis(2-chloroethyl) methane Bis(2-chloroethyl) phthalate Bis(2-chloroethyl) phthalate Bis(2-chloroethoxyl) phthalate LT .33 UGG LT .33 UGG LA 2,4-Trichlorobenzene LT .33 UGG 2,4-Dinitrocluene Benzoldef]phenanthrene / Pyrene LT .33 UGG Benzoldef]phenanthrene LT .33 UGG Benzollef]fluoranthene Fluoranthene LT .33 UGG Acenaphthylene Acenaphthylene LT .33 UGG Acenaphthylene LT .33 UGG Acenaphthylene LT .33 UGG Acenaphthylene Acenaphthylene LT .33 UGG Acenaphthylene LT .33 UGG Acenaphthylene LT .33 UGG Acenaphthylene Acenaphthylene LT .33 UGG Acenaphthylene LT .33									/ Dhery to soid / Dhet				
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Bis(2-chloroethoxy) methane IT .33 UGG Bis(2-chloroethoxy) methane IT .33 UGG Di-n-octyl phthalate IT .33 UGG Hexachlorobenzene IT .33 UGG 1,2,4-Trichlorobenzene IT .33 UGG 2,4-Dinitrotoluene Pyrene IT .33 UGG 2,4-Dinitrotoluene Pyrene IT .33 UGG Dimethyl phthalate Pyrene IT .33 UGG Dimethyl phthalate Pyrene IT .33 UGG Dimethyl phthalate IT .33 UGG Dimethyl phthalate Jahrene IT .33 UGG Dimethyl phthalate IT .5 UGG Dimethyl phthalate Jahrene IT .5 UGG Dimethyl phthalate Jahrene IT .33 UGG Dimethyl phthalate Jahrene Jahrene IT .33 UGG Dimethyl phthalate Jahrene Jahrene IT .33 Dimethyl phthalate Jahrene Jahr								\$ - \$ \$ - - - - - - - -	Bis(2-chloroethyl) ether		> 99n		
Bis(2-ethylhexyl) phthalate Di-n-octyl phthalate LT .33 UGG Hexachlorobenzene LT .33 UGG 2,4-Dichlorobenzene LT .33 UGG 2,4-Dinitrotoluene Benzoldef]phenanthrene / Pyrene LT .33 UGG 2,4-Dinitrotoluene Benzoldef]phenanthrene / Pyrene LT .33 UGG Benzoldef]phenanthrene / Pyrene LT .33 UGG Benzoldef]phenanthrene / Pyrene LT .33 UGG Benzoldef]phenanthrene / 3,4- LT .33 UGG Benzoldef]phenanthene Fluoranthene LT .33 UGG Benzolalpyrene LT .33 UGG Acenaphthylene LT .33 Acenaphthylene LT .33 Acenapht								1-19-111	Bis(2-chloroethoxy) methane		> 090 0		
Di-n-octyl phthalate Hexachlorobenzene Hexachlorobenzene 17.33 4.4-Trichlorobenzene 17.33 1,2,4-Trichlorobenzene 17.33 1,2,4-Dichlorophenol 2,4-Dichlorophenol 2,4-Dinitrocoluene Benzoldef]phenanthrene / Pyrene 17.33 106 17.33 106 17.33 106 17.33 106 17.33 106 17.33 106 17.33 106 17.33 106 17.33 106 17.33 106 17.33 106 17.33 106 17.33 106 17.30 18								117-81-7	Bis(2-ethylhexyl) phthalate				
Nexachlorobenzene								117-84-0	Di-n-octyl phthalate				
Anthracene 1,2,4-Trichlorobenzene 1,2,4-Dichlorophenol 2,4-Dichlorophenol 2,4-Dinitro-2-cresol / 2-Methyl-4,6- LT 1 4,6-Dinitrophenol 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene								118-74-1	Hexachlorobenzene				
1,2,4-Trichlorobenzene 2,4-Dichlorophenol 2,4-Dinitrotoluene 2,4-Dinitrotoluene 2,4-Dinitrotoluene 2,4-Dinitrotoluene 2,4-Dinitrotoluene 2,4-Dinitrotoluene 2,4-Dinitrotoluene 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 2,4-Dinitrophenol 3,3-Dichlorobenzene 4,6-Dinitrophenol 1,3-Dichlorobenzene 2,4-Dinitrophenol 4,6-Dinitrophenol 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene 1,3-Dichlorobenzene								120-12-7	Anthracene				
2,4-Dichlorophenol 2,4-Dichlorophenol 2,4-Dinitrotoluene 2,4-Dinitrotoluene 2,4-Dinitrotoluene 2,4-Dinitrotoluene 2,4-Dinitrotoluene 2,4-Dinitrotoluene 2,4-Dinitro- 2,4-Dinit								120-82-1	1.2.4-Trichlorobenzene				
2,4-Dinitrocluence Benzo[def]phenanthrene / Pyrene LT .33 UGG Benzo[def]phenanthrene / Pyrene LT .33 UGG Dibenzofuran Benzo[def]perylene LT .33 UGG Benzo[dh]perylene LT .55 UGG Benzo[luoranthene / 3,4- LT .33 UGG Benzo[luoranthene / 3,4- LT .33 UGG Acenaphthylene LT .33 UGG Acenaphthylene LT .33 UGG Acenaphthylene LT .33 UGG Acenaphthylene LT .33 UGG Acenaphthylene LT .33 UGG Acenaphthylene LT .33 UGG Acenaphthylene LT .33 UGG Acenaphthylene LT .33 UGG Acenaphthylene LT .33 UGG Acenaphthylene LT .33 UGG Acenaphthylene LT .33 UGG Acenaphthylene LT .33 UGG Acenaphthylene LT .33 UGG Acenaphthylene LT .33 UGG Acenaphthylene LT .33 UGG Acenaphthylene LT .33 UGG Acenaphthylene Acenaphthylene LT .33 UGG Acenaphthylene Acenaphthylene Acenaphthylene LT .33 UGG Acenaphthylene Acenaphthylene Acenaphthylene Acenaphthylene LT .33 UGG Acenaphthylene Acenaphthylen								120-81-2	2 4-Dichlorophanol				
Benzoldef]phenanthrene / Pyrene LT .33 UGG Dimethyl phthalate LT .33 UGG Dibenzofuran Dibenzofuran LT .33 UGG Benzoldhilperylene LT .5 UGG Benzolbfluoranthene / 3,4- LT .5 UGG Benzolklylene LT .33 UGG Benzolklylene LT .33 UGG Acenaphthylene LT .33 UGG								121-14-2					
Dimethyl phthalate Dimethyl phthalate Dimethyl phthalate Dibenzofuran Dibenzofuran Dibenzofushiperylene Directly S. J. C. Dipyrene Directly S. J. C. Dipyrene Directly S. J. C. Dipyrene Elucranthene Fluoranthene Fluoranthene Fluoranthene Fluoranthene Dibenzoft Si Li								120-00-0	Same safety and the same				
Dimethyl phthalate Dimethyl phthalate Dibenzofuran Dibenzofuran Dibenzofuranthene Fluoranthene LT .33 UGG Chrysene Benzofslpyrene LT .33 UGG Chrysene LT .33 UGG Chrysene LT .33 UGG Dibenzanthracene LT .33 UGG Dibenzanthracene 4,6-Dinitrophenol LT .33 UGG Dibenzanthracene 4,6-Dinitrophenol LT .33 UGG Dibenzanthracene LT .33 UGG Dibenzanthracene LT .33 UGG Dibenzanthracene LT .33 UGG Dibenzanthracene LT .33 UGG Dibenzanthracene LT .33 UGG Dibenzanthracene LT .33 UGG Dibenzanthracene LT .33 UGG Dibenzanthracene								0-00-671	Senzo(det)phenanthrene / Pyrene				
Dibenzofuran Benzofghilperylene IT.6 Indeno[1,2,3-C,D]pyrene IT.5 UGG Benzofluoranthene / 3,4- IT.33 UGG Benzofluoranthene Fluoranthene Fluoranthene Fluoranthene Fluoranthene Fluoranthene Fluoranthene Fluoranthene Fluoranthene IT.33 UGG Acenaphthylene IT.33 UGG Acenaphthylene IT.33 UGG Acenaphthylene IT.33 UGG Dibenzelalanthracene / 1,2:5,6- IT.6 UGG Dibenzanthracene 4,6-Dinitrophenol dinitrophenol 1,3-Dichlorobenzene IT.33 UGG UGG UGG UGG UGG UGG UGG UGG UGG U								151-11-5	Dimethyl phthalate				
Benzolghijperylene								132-64-9	Dibenzofuran				
Indeno[1,2,3-C,D]pyrene								191-24-2	Benzo[ghi]perylene				
Benzolbjfluoranthene / 3,4- LT .33 UGG Benzofluoranthene Fluoranthene Fluoranthene Fluoranthene LT .33 UGG Acenaphthylene LT .33 UGG Chrystene LT .33 UGG Chrystene LT .33 UGG 2,4-Dinfrophenol LT .33 UGG 2,4-Dinfrophenol LT .6 UGG Dibenzanthracene / 1,2:5,6- LT .6 UGG dinitrophenol LT .33 UGG 1,3-Dinfrophenol LT .33 UGG								193-39-5	Indeno[1,2,3-C,D]pyrene				
Benzofluoranthene Fluoranthene Fluoranthene Fluoranthene Fluoranthene Fluoranthene Acenaphthylene LT .33 UGG LT .33 UGG LT .33 UGG 2,4-Dinitrophenol LT .33 UGG 2,4-Dinitrophenol LT .6 UGG Dibenzanthracene / 1,2:5,6- LT .6 UGG dinitrophenol 1,3-Dichlorobenzene LT .33 UGG								202-99-2	Benzo [b] fluoranthene / 3.4-				
Fluoranthene Benzo[k]fluoranthene LT .33 UGG Acenaphthylene LT .33 UGG Chrysene Benzo[a]pyrene LT .33 UGG Z,4-Dinitrophenol Dibenzanthracene / 1,2:5,6- LT .6 UGG Dibenzanthracene 4,6-Dinitrop-ene 4,6-Dinitrophenol 1,3-Dichlorobenzene LT .33 UGG									Benzofluoranthene				
Benzofkjfluoranthene LT .5 UGG Acenaphthylene LT .33 UGG Chrysene LT .33 UGG Enzofalpyrene LT .33 UGG 2,4-Dinftrophenol LT .8 UGG Dibenzanthracene / 1,2:5,6- LT .6 UGG 4,6-Dinftro-2-cresol / 2-Methyl-4,6- LT 1 UGG dinitrophenol LT .33 UGG								206-44-0	Fluoranthene		^ 23H		
Acenaphthylene Chrysene Benzo[a]pyrene LT .33 UGG 2,4-Dinitrophenol Dibenz[ah]anthracene / 1,2:5,6- LT .6 Dibenzanthracene 4,6-Dinitro-2-cresol / 2-Methyl-4,6- LT .6 JGG dinitrophenol 1,3-Dichlorobenzene								207-08-9	Benzo [k] fluoranthene				
Chrysene Benzo[a]pyrene 2,4-Dinitrophenol Dibenz[ah]anthracene / 1,2:5,6- LT .6 Dibenzanthracene / 1,2:5,6- LT .6 UGG A,6-Dinitro-2-cresol / 2-Methyl-4,6- LT .1 UGG J.3-Dichlorobenzene LT .33 UGG								208-96-8	Acenaphthylene				
Benzolalpyrene 2,4-Dinitrophenol LT.33 UGG 2,4-Dinitrophenol LT.6 UGG Dibenzanthracene / 1,2:5,6- LT.6 UGG 4,6-Dinitro-2-cresol / 2-Methyl-4,6- LT.1 UGG 4,5-Dinitrophenol LT.33 UGG								218-01-9	Chrysane				
2,4-Dinitrophenol LT.8 UGG Dibenzenthracene / 1,2:5,6- LT.6 UGG Dibenzenthracene / 1,2:5,6- LT.6 UGG Dibenzenthracene / 4,6-Dinitro-2-cresol / 2-Methyl-4,6- LT 1 UGG dinitrophenol LT.33 UGG								50-32-8	Benzo fellevrene				
LT.6 UGG Dibenziahlanthacene / 1,2:5,6- LT.6 UGG Dibenziahlanthracene / 1,2:5,6- LT.6 UGG A,6-Dinitro-2-cresol / 2-Methyl-4,6- LT 1 UGG dinitrophenol LT.33 UGG								51-28-E					
Dibenz[ah]anthracene / 1,2:5,6- LT .6 UGG Dibenzanthracene / 1,2:5,6- LT .6 UGG 4,6-Dinitro-2-cresol / 2-Methyl-4,6- LT 1 UGG dinitrophenol LT .33 UGG 1,3-Dichlorobenzene								C-02-1C	c,4-unitrophenol				
Dibenzanthracene 4,6-Dinitro-2-cresol / 2-Methyl-4,6- LT 1 UGG dinitrophenol 1,3-Dichlorobenzene LT .33 UGG								53-70-3	Dibenz and anthracene / 1,2:5,6-				
4,6-Dinitro-2-cresol / 2-Methyl-4,6- LT 1 UGG dinitrophenol 1,3-Dichlorobenzene LT .33 UGG									Dibenzanthracene				
dinitrophenol 1,3-Dichlorobenzene LT .33								534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-	LT 1			
1,3-Dichlorobenzene LT .33								.	dinitrophenol				
								541-73-1	1,3-Dichlorobenzene		> 550 000		

* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation : Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75

Unit Flag Data EPA Data	Quals		V 000	N 090	NGG V	OGG VS	
¥e	Bo Conc		LT .33	LT .33	LT .33	.32	
	Analyte Description		Benzo[def]phenanthrene / Pyrene	Dimethyl phthalate	Dibenzofuran	2,4-Bis(isopropylamino)-6-methoxy-	1 % 5. tripsing / Drimpto*
:	CAS No.		129-00-0	131-11-3	132-64-9	1610-18-0	
Meth/							
Lab	Lab Anly. No.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	RL 52678-14				
Sample	Date		18-NOV-96				
•	Depth		12.0				
Field	Sample No.		B090112X				
Site	9	:	SB-09-01				
Site	Type	:					

>>>

=	ב	ב	5	=		- 11	
				/ 1,2:5,6-		/ 2-Methyl-4,6	
 Acenaphthylene	Chrysene	Benzo [a] pyrene	2,4-Dinitrophenol	Dibenz[ah]anthracene / 1,2:5,6-	Dibenzanthracene	4,6-Dinitro-2-cresol / 2-Methyl-4,6-	
208-96-8	218-01-9	50-32-8	51-28-5	53-70-3		534-52-1	

LT .6	LT 1		1.33	LT .33
Dibenz[ah]anthracene / 1,2:5,6-	-9'4.	dinitrophenol	1,3-Dichlorobenzene	Benzo [a] anthracene
53-70-3	534-52-1		541-73-1	56-55-3

UGG

1,3-Dichlorobenzene LT .33
henol / 4-Chloro-3-
cresol / 4-Chloro-3-m* 2,6-Dinitrotoluene
W-Nitrosodi-n-propylamine
Hexachloroethane LT
Hexachlorocyclopentadiene LT
L1
Diethyl phthalate
Di-n-butyl phthalate
L1
Butylbenzyl phthalate
N-Nitrosodiphenylamine LT
!uorene / 9A-Fluorene
Carbazole / 9M-Carbazole
Hexachlorobutadiene / Hexachloro-1,3- LT

		Hexachlorocyclopentadiene LT .33		enaphthene LT .33	alate		
951-94	21-19	7-27-22	78-59-	83-32-9	84-66-	84-74-	85-01-8

17 .33	LT .33	1.33	LT .33	LT .33		11 .8	11 .33	L1 .8	11 .33	LT .33	LT .33	
Butylbenzyl phthalate	N-Nitrosodiphenylamine	Fluorene / 9H-Fluorene	Carbazole / 9M-Carbazole	Hexachlorobutadiene / Hexachloro-1,3-	butadiene	Pentachlorophenol	2,4,6-Trichlorophenol	2-Nitroaniline	2-Nitrophenol	Naphthalene / Tar camphor	2-Methylnaphthalene	
85-68-7	86-30-6	86-73-7	86-74-8	87-68-3		87-86-5	88-06-2	88-74-4	88-75-5	91-20-3	91-57-6	

990 090 090 090 090

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN)

	EPA Data Quals	
	Data Quals	
·	Unit Flag Meas Codes	
	Me Bo Conc	
File Type: CSO ate Range: 01-JAN-75 28-JAN-97	Analyte Description	2-Chloronaphthalene 3,3'-Dichlorobazidine o-Cresol / 2-Cresol / 2-Methylphenol 1,2-Dichlorobazene 2-Chlorophenol 2,4,5-Trichlorophenol Mitrobenzene / Essence of mirbane / Oil of mirbane 3-Nitroaniline 4-Bromophenyl phenyl ether 4-Chlorophenyl phenyl ether Unknown compound 539 Unknown compound 539 Unknown compound 539 Unknown compound 615 Unknown compound 616 Unkno
۵	CAS No.	7439-92-1 7440-39-7-6 7440-39-7-6 7440-38-0 7440-43-9 7440-43-9 7440-02-0 7440-03-9 7440-03-9 7440-03-9 7440-03-9 7440-03-9 7440-03-9 7440-03-3 7440-03-3 7440-03-3
Sampling	Meth/ Matrix	GRO /S DRO /S GPB1/S GTL1/S ICM1/S ICM1/S
	Lab Anly. No.	52678-14 52678-15 52678-15
	Sample Date	8 99
	Depth	
	Field Sample No.	BO90112X BO90212X SB-09-02 BO90212X
		SB-09-01
	Si te Type	808 808 808 808 808 808 808 808 808 808

* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO 28-JAN-97

					5	amprilla 1	Date Karige: 01-JAN-12	/A-NAL-02					
Site	Field			Lab	<u>.</u>				æ	Unit Flag	Data	EPA Data	
<u>o</u>	Sample No.	Depth	Date	Lab Anly. No.	Ş.	Matrix	CAS No.	Analyte Description	Bo Conc	Meas Codes	Quals	Quals	
:					:						:		
SB-09-05	B090212X	12.0	B090212X 12.0 18-NOV-96	RL 52678-15 ICP1/S	3-15 10	. s/14:	7440-62-2	Vanadium 95.4	95.4	V 55U			
						• -	2440-66-6	Zinc	51.9	v 25U			
							7440-70-2	Calcium	89500	v 55U			
					₹5	SMV2/S	100-01-6	4-Nitroaniline	LT .8	V 200			
						• -	100-02-7	4-Nitrophenol	LT .8	N 550			
						•	105-67-9	2,4-Dimethylphenol	LT .33	v 20U			
						•	L '' 'C'			.,			

	ออก	.33		990	LT .33 UGG	LT .33 UGG	nic acid LT .33 UGG		LT .33 UGG V	_	.58	.5		.33 UGG	.33 UGG	.33 UGG	LT .33 UGG	LT .33	.33 UGG	.33 UGG	.6 UGG	LT .5 UGG V	.33 UGG		.33	.5 UGG	.33	.33 UGG	.33 UGG	LT .8 UGG	LT .6 UGG	7 3517 F 1 1 1 2 7 7 1 1 1 2 1 1 2 1 1 2 1 1 1 1	990	LT .33 UGG V	.33	.33		
4-Nitroaniline	4-Nitrophenol	2,4-Dimethylphenol	<u>_</u>	1,4-Dichlorobenzene	4-Chloroaniline	Bis(2-chloroisopropyl) ether	Phenol / Carbolic acid / Phenic	/ Phenylic acid / Phe*	Bis(2-chloroethyl) ether	Bis(2-chloroethoxy) methane	Bis(2-ethylhexyl) phthalate	Di-n-octyl phthalate	Hexachlorobenzene	Anthracene	1,2,4-Trichlorobenzene	2,4-Dichlorophenol	2,4-Dinitrotoluene	Benzo [def] phenanthrene / Pyrene	Dimethyl phthalate	Dibenzofuran	Benzo[ghi]perylene	Indeno[1,2,3-C,D]pyrene	Benzo[b]fluoranthene / 3,4-	Benzofluoranthene	Fluoranthene	Benzo [k] f luoranthene	Acenaphthylene	Chrysene	Benzo [a] pyrene		Dibenz [ah] anthracene / 1,2:5,6-	Ulbenzanthracene 4 4-Dinitro-2-cresol / 2-Mathol-4 4-	dinitrophenol	1,3-Dichlorobenzene	Benzo [a] anthracene	_	cresol / 4-Chloro-3-m*	
SMV2/S 100-01-6	100-02-7	105-67-9	106-44-5	106-46-7	106-47-8	108-60-1	108-95-2		111-44-4	111-91-1	117-81-7	117-84-0	118-74-1	120-12-7	120-82-1	120-83-2	121-14-2	129-00-0	131-11-3	132-64-9	191-24-2	193-39-5	202-66-5		206-44-0	507-08-9	208-96-8	218-01-9	50-32-8	51-28-5	53-70-3	534-52-1		541-73-1	56-55-3	29-50-7		

* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation : Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75

	a EPA Data Is Quals	•																												
	Data Quals																													
	Unit Flag Meas Codes		> 5 090	> 000 000	> 99n	> 998	200	> :	A 200	200	> : 990	> 3	> > 550	> > 991	3	2	> >	> >	990		> > > > > > > > > > > > > > > > > > > >	> > S	> >	• > S	> >	> 3	> > 555	> >	255	
	Me Bo Conc		S: :	? :	L1 . 33	11 .33	11	?			: : ::					« -	: : :		: : :	; <u>;</u>	1 33	1 1	e.	; <u>-</u>	; <u>-</u>	; <u>-</u>	? ~	: L		
Date Range: 01-JAN-75 28-JAN-97	Analyte Description	Nexe the contract of the contr	Wexachi opocycl openhadican	Toutone ocyclopenianiene	reducione	Acenaphthene	Diethyl phthalate	Di-n-butyl phthalate	Phenanthrene	Buty(benzy) whthatate	X-Nitrosodiohenylasina	Fluorene / 9M-Fluorene	Carbazole / 9H-Carbazole	Hexachlorobutadiene / Hexachloro-1.3-	butadiene	Pentachlorophenol	2,4,6-Trichiorophenol	2-Witroaniline	2-Witrophenol	Naphthalene / Tar camphor	2-Methylnaphthalene	2-Chloronaphthalene	3,3'-Dichlorobenzidine	o-Cresol / 2-Cresol / 2-Methylphenol	1.2-Dichlorobenzene	2-Chlorophenol	2,4,5-Trichlorophenol	Witrobenzene / Essence of mirbane /	Oil of mirhare	
ng Date Range		\$ 67-72-1		78-50-1		82-25-9	84-66-2	84-74-2	85-01-8	85-68-7	86-30-6	86-73-7	86-74-8	87-68-3		87-86-5	88-06-2	9-74-88	88-75-5	91-20-3	91-57-6	91-58-7	91-94-1	95-48-7	95-50-1	95-57-8	95-95-4	98-95-3		
Sampling	Meth/ Matrix	SMV2/S																												
	Lab Lab Anly. No.	RL 52678-15																												
	Sample Date	18-NOV-96																												
	Depth	12.0																												
	Field Sample No.	B090212X																												
	Site ID	SB-09-02																												
		S																												

Uhknown compound 549
Uhknown compound 551
Unknown compound 606
Unknown compound 614
Unknown compound 614
Unknown compound 615
Unknown compound 615

44 **w** w

4-Bromopheny! pheny! ether 4-Chloropheny! pheny! ether Unknown compound 537 Unknown compound 539 Unknown compound 544 Unknown compound 547 Unknown compound 548

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO

	EPA Data	Quals																																									
	Data	dual s																																									
	Unit Flag	Sabor Saber	_		UGG BV	A 550	A 550	7 550 7 550	7 590 7 500	> 550 - 500) ogg	> 200 200	A 251					V 55U	V 99U	N 99N	NGG V	V 55U	NGG V	NGG V	NGG V) neg	۸ عور ۱۹۵۰	7 250	> > 000 000	^ 990	\ 000 \ 000	A 550	V 55U	NGG V	:) 100 N) ogo	> > 550	_	^ 550 000		7 000 1000	UGG V
	Me Gong		2	LT 4 2 ==	2.55				7.5		*.2 201	17.2		37100	18500	614	38	LT 1000	LT 2	LT 1000	156	46.5	22.1	55.9	124	78.6		o «		5	=		LT .33	ב	-	5.5						17 .33	
File Type: CSO Date Range: 01-JAN-75 28-JAN-97	Analyte Description		Unknown compound 637	Ulesel range organics	Gasoline range organics	Selenium	Thatlita	Mercury	Antimony	Arsenic	Beryllium	Cadmium	Aluminum	lron	Magnesium	Hanganese	Nickel	Potassium					Copa	Vapadim	Zinc	Celcita	4-Nitroaniline	4-Nitrophenol	2,4-Dimethylphenol	p-Cresol / 4-Cresol / 4-Methylphenol	rene	4-Chloroaniline	Distantion of the property of	/ Phenylin erid / Phenic acid	Bis(2-chloroethyl) ether	Bis(2-chloroethoxy) methans	Bis(2-ethylhexyl) phthalata	Di-n-octyl phthalate	Hexachlorobenzene	Anthracene	1,2,4-Trichlorobenzene	2,4-Dinitrotoluene	
	CAS No.			7439-92-1	•	7782-49-2	7440-28-0	7439-97-6	7440-36-0	7440-38-2	7440-41-7	7440-43-9	7429-90-5	7439-89-6	7439-95-4	7//0-70-7	7440-02-0	7-40-04-7	5-22-044/	2-02-0772	2-27-0772	7-87-0772	7440-50-8	7440-62-2	7440-66-6	7440-70-2	100-01-6	100-02-7	105-67-9	106-44-5	100-40-7	108-47-0	108-95-7		111-44-4	111-91-1	117-81-7	117-84-0	118-74-1	120-12-7	120-82-1	121-14-2	
Sampling	Meth/ Matrix		SMV2/5		GRO /S	GSE1/S	GTL1/S	HGC1/S	ICM1/S				ICP1/S														SMV2/S														•	•	
			RI 52678-15																																	-							•
	Sample Date	18-Wny-04	18-NOV-96																																								7
	Depth	12.0	12.0																																								*
	Field Sample No.	B090212X	B090312X																																								intion has be
	e Site	SB	SB-09-03																																								nalyte Description has

* - Analyte Description has been truncated. See Data Dictionary

28-JAN-97

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO

EPA Data Quals	onals	
Data Quals	S I I I I I I I I I I I I I I I I I I I	
Unit Flag Meas Codes	Ø 1 (2 (2 (2 (2 (2 (2 (2 (2 (2 (2 (2 (2 (2	> > 3 000 000
		LT .33
Analyte Description	Benzolde1phenanthrene / Pyrene Dimethyl phthalate Dimethyl phthalate Dibenzofuran Benzolghiperylene Indeno[1,2,3-C,D]pyrene Benzolghiperylene Indeno[1,2,3-C,D]pyrene Benzolb1fluoranthene / 3,4-Benzolk1fluoranthene Fluoranthene Benzolajpyrene Ghrysene Benzolajpyrene Benzolajpyrene 2,4-Dinitrophenol Dibenzanthracene / 1,2:5,6-Dinitrophenol J.3-Dichlorobenzene Benzolajanthracene / 4,6-Dinitrophenol / 4-Chloro-3-Cresol / 4-Chloro-3-Cresol / 4-Chloro-3-Ginitrosodi-n-propylamine Hexachloroethane Hexachloroethane Hexachloroethane Butylbanzyl phthalate Di-n-butyl phthalate Di-n-butyl phthalate Butylbanzyl phthalate Hexachloroethane Fluorene / 9H-Fluorene Fluorene / 9H-Fluorene Eutylbanzyl phthalate Di-n-butyl phthalate Phenanthrene Butylbanzyl phthalate Siephorone Acenaphthene / 9H-Fluorene / 9H-Fluorene / 9H-Fluorene Z-6-Diritrophenol Z-6-Trichlorophenol Z-6-Tr	2-Chloronaphthalene 3-Chloronaphthalene 3-37-Dichlorobeazidine
CAS No.	129-00-0 131-11-3 132-64-9 193-39-5 205-99-2 206-44-0 207-08-9 208-96-8 51-28-5 534-52-1 56-55-3 59-50-7 606-20-2 621-64-7 67-72-1 77-47-4 78-59-1 88-56-2 86-30-6 86-30-6 86-30-6 86-7-8	91-58-7 91-58-7 91-94-1
Meth/ Matrix		. 0. 0
Lab Lab Anty. No.	RL 52678-05	
Sample Date	18-NOV-96	
Depth	15.0	
Field Sample No.	B090312X	
Site ID	SB-09-03	

* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO

							Sampling	g Date Range:	Date Range: 01-JAN-75 28-JAN-97				
Site Type	Site ID	Field Sample No.	Denth	Sample	-	Lab	Meth/	•		Æ	Unit Flag	Data	EPA Data
					3 :	Lab Ant y . no.	Matrix		Analyte Description	Bo Conc		Quals	Quals
BORE	SB-09-03	B090312X	12.0	18-NOV-96	R	52678-05	SMV2/S	95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol		v 990	:	
								95-50-1	1,2-Dichlorobenzene		v 550		
								05-05-6	2 / Errichlonensi		^ 550°		
								98-95-3	Mitrobenzene / Essence of minhons /	». :::	> : 000		
									Oil of mirbane	 	\ 000 \ \ 000		
								99-09-2	3-Nitroaniline	6. 17	١١٥ ٧		
									4-Bromophenyl phenyl ether		> > 991		
									4-Chlorophenyl phenyl ether	. I	> 000 1100		
									Unknown compound 537		> >		
									Unknown compound 539		> 980 8X 991		
									Unknown compound 614	,			
									Unknown compound 615	4.			
									Unknown compound 623	• •			
										ກຸ	UGG VBD		
	70-00-03	70000	9		i				Unknown compound 637	: - -			
	30-04-04	BU90412X	12.0	96-NON-8L 0.21	2	52678-06	DRO /S		Diesel range organics	LT 4			
							GPB1/S	7439-92-1	Lead	2.37	- 250 1166 RV		
							GRO /S		Gasoline range organics	LT .5	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
							GSE1/S	7782-49-2	Selenium	•	> > SSC		
							GTL1/S	7440-28-0	Thattium	LT 2	> > 991		
							HGC1/S	2439-97-6	Mercury	. 17	> > 99E		
							ICM1/S	7440-36-0	Antimony	11 1	> > 990		
								7440-38-2	Arsenic	5 11	> >		
								7440-41-7	Beryllium	-1	^ 99n		
								2440-43-9	Cadmium	-	^ 99n		
							ICP1/S	7429-90-5	Aluminum	29300	NGG VB		
								7439-89-6	Iron	44300			
								7439-95-4	Magnesium	16700	> 550		
								7439-96-5	Manganese	1880	-		
								7440-02-0	Nickel	23.3	-		
								2440-09-7	Potassium				
								7440-22-4	Silver	LT 2	-		
								7440-23-5	Sodium				
								7440-39-3	Barium	401			
								7440-47-3	Chromium	31.5			
								7440-48-4	Cobalt	26.2	> > 991		
								7440-50-8	Copper	7.67			
								7440-62-2	Vanadium	162	-		
								2440-66-6	Zinc	61.1	NGG V		
								7440-70-2	Calcium	45900	v 55U		
							SMV2/S	100-01-6	4-Nitroaniline		> 250		
								100-02-7	4-Nitrophenol	LT .8	NGG V		
								4-79-501	2,4-Dimethylphenol	LT .33	NGG V		
* - An	alyte Descri	* - Analyte Description has been truncated.	in trunc	cated. See L	Jata Di	See Data Dictionary							

* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO

EPA Data	•																																											
Data Quals																																												
Unit Flag Meas Codes	v 990					A 251							A 990	^ 590	^ 99N		> > 990		· >		> > 990		A 5511		> > 000			> 990	> 990		> 990		> 550		> > 000		7 990		> > 990		> 991	> 250 050		> :
Me Bo Conc	1					17 .33									LT .33			11 .33			133		17 .33	2 5			11 .33	LT .8	LT .6		-			1.33			11 .33				17 .33			; ; ;
Analyte Description	p-Cresol / 4-Cresol / 4-Methylphenol	rene	4-Chloroaniline	Bis(2-chloroisopropyl) ether	Phenol / Carbolic acid / Phenic acid	Bis(2-chloroethyl) ether	Bis(2-chloroethoxy) methane	Bio(2:e+bylbexxl) whethere	Districted ships of		nexach loropenzene	Anthracene	1,2,4-Trichlorobenzene	2,4-Dichlorophenol	2,4-Dinitrotoluene	Benzo[def]phenanthrene / Pyrene	Dimethyl phthalate	Dibenzofuran	Benzo [ghi] perylene	Indeno[1,2,3-C,D]pyrene	Benzo [b] fluoranthene / 3,4-	Benzofluoranthene	Fluoranthene	Benzo [k] fluoranthene	Acenaphthylene	Chrysene	Benzo (a) pyrene	2,4-Dinitrophenol	Dibenz [ah] anthracene / 1,2:5,6-	Dibenzanthracene	4,6-Dinitro-Z-cresol / Z-Methyl-4,6-	dinitrophenol	1,3-Dichlorobenzene	Senzo (a) anthracene	3-Methyl-4-chlorophenol / 4-Chloro-3-	3-11	2,6-Dinitrotoluene	N-Witrosodi-n-propylamine	Hexachloroethane	Hexachlorocyclopentadiene	Isophorone	Acenaphthene	Diethyl phthalate	Di-n-hit
CAS No.	106-44-5	106-46-7	106-47-8	108-60-1	108-95-2	111-44-4	111-91-1	117-81-7	117-84-0	110-7/-1	10-74-0	1-21-021	120-82-1	120-83-2	121-14-2	129-00-0	131-11-3	132-64-9	191-24-2	193-39-5	202-99-2		206-44-0	207-08-9	208-96-8	218-01-9	50-32-8	51-28-5	53-70-3		1-26-966		541-73-1	56-55-3	59-50-7		606-20-2	521-64-7	57-72-1	77-47-4	78-59-1	33-32-9	34-66-2	34-74-2
Meth/ Matrix	SMV2/S																																				•	_	_	•	•	_	_	_
Lab Lab Anly. No.	RL 52678-06																																											
Sample Date	18-NOV-96																																											
Depth	12.0																																											
Field Sample No.	B090412X																																											
Site ID	88-09-04																																											
Site Type	W																																											

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO

	EPA Data	SIBDA																																									
	Data																																										
	Unit Flag Meas Codes				7 000 1180	> > 901			A 590	^ 550	7 DDU	v 200	^ DDO	NGG V	NGG V	> 500	N :	> : 000	0.00 V) oct	-	v 500	v 55U	v 55U			8A 550				UGG RV		\ 000 \ \ 000	V 99U	A 550	V pou	A 550		7 990 97 991			UGG VB	
	Me Bo Conc		LT .33		1 .33	1 33	: =	i				LT .33	LT .33		LT .33		LT .33					LT .8		LT .33		8 E -2	۲.۶	. 7	· «	11 4	2.98		11 1			LT .2	1.54		35700	46500	20400	961	
File Type: CSO Date Range: 01-JAN-75 28-JAN-97	Analyte Description		Premanthrene Bittleamer - Lttel - t	N-Withosodinbenylemine	Fluorene / OH-Fluorene	Carbazole / 9H-Carbazole	Hexachlorobutadiene / Hexachloro-1.3-	butadiene	Pentachlorophenol	2,4,6-Trichlorophenot	Z-Nitroaniline	Z-Nitrophenol	Naphthalene / Tar camphor	2-Metnyinaphthalene	Z-chloronaphthalene	System of the second of the se	1 2-Dichloroberges	2-Chlorophenot	2.4.5-Trichlorophenol	Witrobenzene / Essence of mirbane /	Oil of mirbane	3-Nitroaniline		4-Chlorophenyl phenyl ether	Unknown compound 539	Unknown compound 614			Unknown compound 637	Diesel range organics	Lead	Gasoline range organics	Selenium	Thattium	Mercury	Antimony	Arsenic	Codmism	Aluminum	Iron	Magnesium	Manganese	
_	CAS No.		85-68-7	86-30-6	86-73-7	8-74-8	87-68-3		87-86-5	88-06-2	28-74-4 28-74-4	88-75-5	91-20-3	01-37-0	91-30-7	05-48-7	95-50-1	95-57-8	95-95-4	98-95-3		2-60-66									7439-92-1	1	7782-49-2	7440-28-0	459-97-0	7440-36-0	7440-36-2	6-15-055	7429-90-5	7439-89-6	7439-95-4	4-54-46-5	
Sampling	Meth/ Matrix	0,000	S / J A LIS																													GRO /S	GSE1/S	GILI/S ucr1/c	יייייייייייייייייייייייייייייייייייייי	S/IESI	- •-		ICP1/S 7			_	
	⋖	DI E2270 02																												526/8-03													
	_	18-MOV-04 D																												IN-NOV-YO RL													Total
	Depth	12.0																												2.0													4 11 11 11 11
	Field Sample No.	R090412X																											VC110040	V21 104Hg													ntion hos ho
	Site ID	SB-09-04																											CB-MO.01	20 62 00													alven Donne
	Site Type	BORE																																									*

* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO

						•	Sampling D	Date Range: 01-JAN-75	01-JAN-75 28-JAN-97					
A1 A1 -	Site ID	Field Sample No.	Depth	Sample Date	Lab /	Lab Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Me Bo Conc	Unit Flag Meas Codes	Data Quals	EPA Data	
	SB-M9-01	BM90112X	12.0	19-NOV-96		52678-03	1CP1/S	7440-02-0	Z. C. F. C.	:				
								7-60-04-7	Potassium	3100	> >			
								7440-22-4	Silver	17 2	> > 99n			
								7440-23-5	Sodium		> 200 000			
								7440-39-3	Berium	55	> > 990			
								7440-47-3	Chromium	49.2	> 290 1900			
								7440-48-4	Cobalt	20.8	> > 991			
								7440-50-8	Copper	63	> > 991			
								7440-62-2	Vanadíum	148	• > 995 - 295			
								9-99-0552	2 inc	9	> > > > > > > > > > > > > > > > > > > >			
								7440-70-2	Calcium	38200	> > 990 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
							SMV2/S	100-01-6	4-Witroaniline	200	> 250			
								100-02-7	4-Nitrophenol					
								105-67-9	2.4-Dimethylphenol		> 201			
								106-44-5	D-Cresol / 4-Cresol / 4-Methylphenol	; <u>-</u>	> >			
								106-46-7	1.4-Dichlorobenzene		_			
								106-47-8	4-Chloroaniline					
								108-60-1	Bis(2-chloroisopropyl) ether	1 1				
								108-95-2	Phenol / Carbolic acid / Phenic acid	1 1				
									/ Phenylic acid / Phe*		•			
								111-44-4	Bis(2-chloroethyl) ether	11 .33	7 3311			
								111-91-1	Bis(2-chloroethoxy) methane		• > 999			
								117-81-7	Bis(2-ethylhexyl) phthalate	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	> > 999			
								117-84-0	Di-n-octyl phthalate		> >			
								118-74-1	Hexachlorobenzene		> > 991			
								120-12-7	Anthracene		> > 990			
								120-82-1	1,2,4-Trichlorobenzene	133	> >			
								120-83-2	2,4-Dichlorophenot		> > 350			
								121-14-2	2,4-Dinitrotoluene		-			
								129-00-0	Benzo [def] phenanthrene / Pyrene		990			
								131-11-3	Dimethyl phthalate		> >			
								132-64-9	Dibenzofuran	11 .33	- > - S			
								191-24-2	Benzo[ghi] perylene	9.	> > 251			
								193-39-5	Indeno[1,2,3-C,D]pyrene		> > 201			
								205-99-2	Benzo [b] fluoranthene / 3,4-	11 .33	> > 000			
									Benzofluoranthene					
								206-44-0	Fluoranthene	1.33	^ 990			
							-	207-08-9	Benzo [k] flioranthene					

11 33 11 12 11 13 11 12 11 13 13 11 11 12

Benzo[k]fluoranthene Acenaphthylene Chrysene Benzo[a]pyrene 2,4-Dinitrophenol Dibenz[ah]anthracene / 1,2:5,6-

206-44-0 207-08-9 208-96-8 218-01-9 50-32-8 51-28-5 53-70-3

^{* -} Analyte Description has been truncated. See Data Dictionary

EPA Data Quals

Site ID ...-SB-M9-01

Site Type

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO 28-JAN-97

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Data Quals	;																				
Unit Flag Meas Codes	:::::::::::::::::::::::::::::::::::::::	v 55U	١١٥٥ ،	> > 591	> 290	-	^ 55H	> > 201	> > 990	> > 550 1901	> > SS = SS = SS = SS = SS = SS = SS =	- > 201	> > 291	> > 500	^ 550 000	> > 551	> >	> > SS = SS = SS = SS = SS = SS = SS =	> >	200	Visis v
Me Bo Conc	: :	[1]	77	11 33	11 33		17 .33	11 33	17 .33	11 .33	1 .33		17 .33		11 .33		11 .33	17 33	22 11	22	
Analyte Description	/ / A. D. day de	4,0-Difficio-2-cresol / 2-Methyl-4,6- dinitrophenol	1,3-Dichlorobenzene	Benzo [a] anthracene	3-Methyl-4-chlorophenol / 4-chloro-3-	cresol / 4-Chloro-3-m*	2,6-Dinitrotoluene	N-Nitrosodi-n-propylamine	Hexachloroethane	Hexachlorocyclopentadiene	Isophorone	Acenaphthene	Diethyl phthalate	Di-n-butyl phthalate	Phenanthrene	Butylbenzyl phthalate	N-Nitrosodiphenylamine	Fluorene / 9M-Fluorene	Carbazole / 9H-Carbazole	Hexachlorobutadiene / Hexachloro 1 2	hitadiana
CAS No.	534-52-1		541-73-1	56-55-3	59-50-7		606-20-2	621-64-7	67-72-1	77-47-4	78-59-1	83-32-9	84-66-2	84-74-2	85-01-8	85-68-7	86-30-6	86-73-7	86-74-8	87-68-3)
Meth/ Matrix	SMV27C																				
Lab Anly. No.	RL 52678-03																				
Sample Depth Date	19-NOV-96																				
Depth	12.0																				
	BM90112X										•										

11 .33	12.33	17 73		72		17 .33	11 33	11 33	17 33	11 33	74 11	22 23
	/lamine		intadiene		e e	Diethyl phthalate			ohthalate	a		e
			17-47-4									3 8-74-98

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	*				œ	2	;	c -
•	_	: =	; <u>_</u>	i	-1	; <u>-</u>	3	-
	Fluorene / 9H-Fluorene	Carbazole / 9H-Carbazole	Hexachlorobutadiene / Hexachloro-1.3- LT 33	butadiene	ophenol			Z-Nitroaniline
	86-73-7	8-74-8	87-68-3		87-86-5	88-06-2	, ,,	3-3/-00

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	_	; :	3	5	-	5	5	_	j .	5	_	;	=	_	3	5	-		ב	
butadiene	Pentach!oropheno!	2.4.6-Trichlorophanol		Z-Nitroaniline	2-Witrophenol		Naphthalene / Tar camphor	2-Methylnaphthalene		z-untoronaphtnatene	3,3'-Dichlorobenzidine		o-resol / 2-resol / 2-Methylphenol	1.2-Dichtorobenzene		Z-Culorophenol	2.4.5-Trichlorophenol		Nitrobenzene / Essence of mirbane /	Off of mithal
	87-86-5	88-06-2		4-4/-88	88-75-5		71-70-2	91-57-6	01-59-7	1-00-14	91-94-1	05.79.7	1-05-66	95-50-1	0 67 0	0-10-64	95-95-4	V 10.00	2-64-04	

95-95-4 2,4,5-Trichlorophenol LT 98-95-3 Nitrobenzene / Essence of mirbane / LT 0il of mirbane / LT 0il of mirbane / LT 0il of mirbane / LT 0il of mirbane / LT 0il of mirbane / LT 0il of mirbane / LT 4-Bromophenyl phenyl ether LT 4-Chlorophenyl phenyl ether LT 4-Chlorophenyl phenyl ether LT 4-Chlorophenyl phenyl ether LT Unknown compound 537 Unknown compound 551 Unknown compound 566 Unknown compound 606 Unknown compound 606	henol (T. 33 chlorophenol (T. 33 chlorophenol (T. 33 chlorophenol (T. 33 chane) (T. 33 chane) (T. 33 chan) (T
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* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO Sampling Date Range: 01-JAN-75

	EPA Data Quals																																								
	Data Quals	1																																							
	Unit Flag Meas Codes	UGG VB	UGG VBD UGG VB		> : 200	200	A > 990	> 250	Neg v	v 25U	^ 55U	> : 090	> :	> 35 35 35 35 35 35 35 35 35 35 35 35 35 3			_		> 990 000	> 200	> 550	> 500 000	> 200	7 090	A 990	A 550	> 99n	> 500 000	> :	> 200	> > 351	> >	^ 990	> > 000	v 550				> 990	> 550 500	066 8
	Me Bo Conc	: •	.5 9 E -2	-	9 E -2		LT .5	111	LT 2	17 .2	+ <u></u>	S !!		27100	31400	18400	956	20.3	3080	17 2	7880	114	29.1	16.8	48.6	122	51.9		٠. 			11 .33		17 .33				. 13		٠: : :	
01-JAN-75 28-JAN-97	Analyte Description	Unknown compound 623	Unknown compound 630	Unknown compound 637	Diesel range organics	Lead	Gasoline range organics	Selenium	Thattium	Resourt	Antimony			Atuminum	Iron	Magnesium	Manganese	Nickel	Potassium	Silver	Sodice	Barium	Chromium	Cobalt	Copper	Vanedium	41nc 6-1-1-1	4-Nitrophi in	4-Mitrophenol	2,4-Dimethylphenol	p-Cresol / 4-Cresol / 4-Methylphenol	ene	4-Chloroaniline	Bis(2-chloroisopropyl) ether	Phenol / Carbolic acid / Phenic acid	/ Friendisc acid / Pres	Bista chioroethyl) ether	Disc.coloroethoxy) methane	Distanting incay() primatate	Bekechlorobensene	
Sampling Date Range: 01-JAN-75	CAS No.	f 1 1 1 1				7439-92-1	:	7782-49-2	7440-28-0	74.59-97-0	0-96-044/	7440-41-7	7440-43-9	7429-90-5	7439-89-6	7439-95-4	7439-96-5	7440-02-0	2440-09-7	7440-22-4	7440-23-5	7440-39-3	7440-47-3	7.40-48-4	7440-50-8	7-79-044/	0-00-044/	100-01-6	100-02-7	105-67-9	106-44-5	106-46-7	106-47-8	108-60-1	108-95-2	111-64-6	111-01-1	117-81-7	117-84-0	118-74-1	
Sampting	Meth/ Matrix	SMV2/S			DRO /S	GPB1/S	GRO /S	GSE 1/S	GTL1/S	104175	S			1CP1/S														SW27/S							-	•	•			•	
	Lab Anly. No.				52678-04																																				
	Sample Date Lab	%			19-NOV-96 RL																																				
	Depth	_			7.0																																				
	Field Sample No.	BM90112X			BPH0107X																																				
	Site Site Type ID	BORE SB-M9-01			SB-PH-01																																				
	2 t	8																																							

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO

	EPA Data Quals
	Data Quals
	Unit Flag Meas Codes UGG V UGG V
	Me Conc 1 133 133
28-JAN-97	ription orobenzene olyenol
Date Range: 01-JAN-75	Analyte Description
sampling Date Range	Meth/ Matrix CAS No.
	Lab Anly. No.
	Sample Date
	Depth 7.0
	Field Sample No. Depth Date
	Site ID SB-PH-01
	Site Type

	מייים איין	:		¥		Ë	Unit Flag	Data
•	Matrix	CAS No.	Analyte Description	80	Conc	Meas	Codes	Quals
: ;				:	:	:		
Ď,	SMV2/S	120-12-7	Anthracene	5	.33	000	>	
		120-82-1	1,2,4-Trichlorobenzene			166	• >	
		120-83-2	2.4-Dichlorophenol	=		2 2	• >	
		121-14-2	2.4-Dinitrotoluene	; :	; *	9 0	> >	
		129-00-0	Benzoldeflohenanthrena / Dyrena	֝֞֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֡֝֓֓֡֡֡֓֓֓֡֡֡֝֓֡֡֡֡֡֡		9 5	> >	
		131-11-3	Dimethyl phthalata	: :		990	> ;	
		132-64-0	Dibonociiron	<u>:</u>		990	> :	
		101-2/-3		֓֞֞֞֝֞֞֝֞֝֟֝֞֝֟֝֟		990	>	
		7-67-161	Benzolgn11perylene	5	9.	99N	>	
		193-39-5	Indeno(1, 2, 5-C, D) pyrene	_	'n.	99n	>	
		202-66-502	Benzo[b]fluoranthene / 3,4-	ב	.33	990	>	
			Benzofluoranthene			1	•	
		206-44-0	Fluoranthene	=	7.5	201	>	
		207-08-9	Renzo [k] fluoranthana	; :	į u		> :	
		208-06-8	Acceptable to an entire re	5 !	٠į	990	>	
		210-70-0	Acenaparchytene	_	.33	ออก	>	
		218-01-y	Chrysene	ב	.33	990	>	
		50-32-8	Benzo[a]pyrene	ב	.33	990	>	
		51-28-5	2,4-Dinitrophenol		€ 60	100	· >	
		53-70-3	Dibenz[ah]anthracene / 1.2:5.6-	=		9 2	• >	
			Dibenzanthracene	;	:	200	•	
		534-52-1	4.6-Dinitro-2-cresol / 2-Methyl-4 6-	_	_	2	>	
			dinitrophenol	;	-	9	>	
		541-73-1	1.3-Dichlorobenzene	-	22	9	3	
		54-55.2		: כ	÷.	3	>	
		20-23-3		5	.33	990	>	
		7-00-60	5-Methyl-4-chlorophenol / 4-Chloro-3-	=	.33	99 0	>	
			cresol / 4-Chloro-3-m*					
		606-20-2	2,6-Dinitrotoluene	5	.33	990	>	
		621-64-7	N-Nitrosodi-n-propylamine	-		991	. >	
		67-72-1	Hexachloroethane	: <u>-</u>	2	3 6	• >	
		72-55-9	2.2-Bis(p-chlorophenyl)-1 1-	;	5	9 0	> 5	
			dichloroethene		3	อื่อ	2	
		7-27-22	Hexach Orocycl Openhadiene		22			
		78-50-1	Technological	<u>:</u> :	;:	990	> :	
		84-42-0	Acceptable of the second of th	: ב	٠. ا	ອອກ	>	
		77 76 7	Acenaphraene	_	.33	99n	>	
		7-00-50	Dietnyl phthalate	5	.33	99n	>	
		2-1/-18	Di-n-butyl phthalate	_	.33	990	>	
	_	85-01-8	Phenanthrene	5	.33	199	. >	
	<u> </u>	85-68-7	Butylbenzyl phthalate		¥.	3	• >	
		86-30-6	N-Nitrosodiphenvlamine		3 2		> >	
		86-73-7	Fluorene / 9H-Fluorene				> >	
		86-74-8	Carbazole / 9H-Carbazole		24		> >	
		87-68-3	Hexachlorobutadiene / Hexachloro-1 3			2 2	> :	
			butadiene	;	3	200	>	
	_	87-86-5	Pentachlorophenol	-	α	2	,	
		88-06-2	2.4.6-Trichlorophenol			9 0	> :	
					3	990	>	

* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CSO

	EPA Data Quals																										
	Data Quals	:																									
	Unit Flag Meas Codes	Nee v	> 250 090	> 290	> 55n	> 99n	> 990 000	> 500 000	> 99n	> > 990	> 990 090	> 990		> 990	> 550	7 990		> 550		UGG VB			8A 990	OBC VBD			> 55U
		. 6.		LT .33				17 .33			8.	LT .33		LT .8	11 .33	11 .33	7	٦.	-	 ~:	~:	۲.	2	ĸ.	Ξ.	-	4.
oate Range: 01-JAN-75 28-JAN-97	Analyte Description	2-Nitroaniline	2-Nitrophenol	Naphthalene / Tar camphor	2-Methylnaphthalene	2-Chloronaphthalene	3,3'-Dichlorobenzidine	o-Cresol / 2-Cresol / 2-Methylphenol	1,2-Dichlorobenzene	2-Chlorophenol	2,4,5-Trichlorophenol	Nitrobenzene / Essence of mirbane /	Oil of mirbane	3-Nitroaniline	4-Bromophenyl phenyl ether	4-Chlorophenyl phenyl ether	Unknown compound 539	Unknown compound 548		Unknown compound 606	Unknown compound 614	Unknown compound 615	Unknown compound 623	•	Unknown compound 632		Unknown compound 660
Date Range	CAS No.	88-74-4	88-75-5	91-20-3	91-57-6	91-58-7	91-94-1	95-48-7	95-50-1	95-57-8	95-95-4	98-95-3		2-60-66													
Sampling	Meth/ Matrix	SMV2/S																									
	Lab Anly. No.	RL 52678-04																									
	Sample Date																										
	Depth	7.0																									
	Field Sample No.	8PH0107X																									
	Site	: SB-PH-01																									

^{**} End of Report - 804 Records Found **

GROUNDWATER

ABB Environmental Services, Inc.

EPA Data Quals

Final Documentation Appendix Report
Installation :Fort Allen, Puerto Rico (FN)
File Type: CGW
15-1AN-75

400	מים מים	3	
lini+ Flag	Meas Codes		ngr
Æ	Bo Conc	1 1	LT 100
	Analyte Description		Diesel range organics
Meth/			
Lab	Lab Anly. No.		RL 52856-01
Sample	h Date	::::	0 04-DEC-96
	Dept		26.
Field	Sample No.		M030126X
Site	2	:	MW-03-01
Site	Type	!	XELL XELL
	Site Field Sample Lab Meth/	Site Field Sample Lab Meth/ ID Sample No. Depth Date Lab Anly. No. Matrix CAS No. Analyte Description Bo Conc Meas Codes	Site Field Sample Lab Meth/ 10 Sample No. Depth Date Lab Anly. No. Matrix CAS No. Analyte Description Bo Conc Meas Codes

	Data	3 1																																												
	Meas Codes			<u> </u>	1 15 N	19n	Ton	Ten		3 2	1 5	j =	d =	i =	igi Ng	i is	ายก	<u> </u>	UGL	UGL	ายก	ner	ner.	le n	ner Ner	1 25	ายก	len N	เอก	ng.	חפר	ner	UGL	UGE	UGF		UGL	ner	Ten Ne	UGL		<u> </u>	; ;	3 3	100	ngr ngr
Š	Bo Conc		LT 100		11	17.5	LT 10	17 .2	- 1	1 2		· -	17 200			LT 15	LT 40	LT 5000	LT 10	62100	LT 200	LT 10						17 25	LT 25	LT 10		•	LT 10	LT 10	LT 10			LT 10						1 1		1. 10 10 10 10 10 10 10 10 10 10 10 10 10
•	Analyte Description		Diesel range organics	Lead	Gasoline range organics	Selenium	Thallium	Mercury	Antimony	Arsenic	Beryllium	Cadmit	Atuminum	Iron	Magnesium	Manganese	Nickel	Potassium	Silver	Sodium	Barium	Chromium	Cobalt	Copper	Vanadium	Zinc	Calcium	4-Nitroaniline	4-Nitrophenol	2,4-Dimethylphenol	p-Cresol / 4-Cresol / 4-Methylphenol	1,4-Dichlorobenzene	4-Chloroaniline	Bis(2-chloroisopropyl) ether	Phenol / Carbolic acid / Phenic acid	/ Phenylic acid / Phe*	Bis(2-chloroethyl) ether	Bis(2-chloroethoxy) methane	Bis(2-ethylhexyl) phthalate	Di-n-octyl phthalate	Hexachlorobenzene	Anthracene	1.2.4-Trichlorobenzene	2.4-Dichlorophenol	2.4-Dinitrotoluene	Benzo[def]phenanthrene / Pyrene
	CAS No.			7439-92-1		7782-49-2	7440-28-0	7439-97-6	7440-36-0	7440-38-2	7440-41-7	7440-43-9	7429-90-5	7439-89-6	7439-95-4	2439-96-5	7440-02-0	2440-09-7	7440-22-4	7440-23-5	7440-39-3	2440-42-3	7440-48-4	7440-50-8	7440-62-2	9-99-077	7440-70-2	100-01-6	100-02-7	105-67-9	106-44-5	106-46-7	106-47-8	108-60-1	108-95-2		111-44-4	111-91-1	117-81-7	117-84-0	118-74-1	120-12-7	120-82-1	120-83-2	121-14-2	129-00-0
Meth/	Matrix	:	DRO /W	GPB1/W	GRO /W	GSE1/W	GTL1/W	HGC1/W	ICM1/W				1CP2/W															SMV1/W																		
Lab	Lab Anly. No.		RL 52856-01																																											
			_																																											

^{* -} Analyte Description has been truncated. See Data Dictionary

Field Sample Sample Sample No. Depth Date M030126x 26.0 04-DEC-96 Site Site
Type ID
....
WELL MW-03-01 15-JAN-97

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW 15-JAN-97

Analyte Description Jimethyl phthalate Dimethyl phthalate Dibenzofunanthene Benzofghijperylene Indenof1,2,3-C,D]pyrene Benzofghijperylene Fluoranthene Benzofklfluoranthene Fluoranthene Chrysene Benzofklfluoranthene Chrysene Chrysene Introphenol J,3-Dinitrophenol J,3-Dinitrophenol J,3-Dichlorobenzene Benzofalanthracene J,6-Dinitro-2-cresol / 2-Methyl-4,6- LT Dibenzanthracene J,6-Dinitrophenol J,3-Dichlorobenzene Benzofalanthracene J,6-Dinitrotoluene J,3-Dichlorobenzene Benzofalanthracene J,6-Dinitrotoluene LT Hexachlorocthane Hexachlorocthane Hexachlorocthane LT Hexachlorocthane LT Isophorone Acenaphthene Di-n-butyl phthalate Di-n-butyl phthalate Di-n-butyl phthalate Di-n-butyl phthalate LT Hexachlorochenol Carbazole / 9H-Eurbazole LT Hexachlorochenol LT Z,6,6-Trichlorophenol LT Z,6,6-Trichlorophenol LT Z,6,6-Trichlorochenol LT Z,7,6-Trichlorochenol LT Z,7,6-Trichlorochenol LT Z,7,7-Trichlorochenol LT Z,7,7-Trichlorochenol LT Z,7,7-Trichlorochenol LT Z,7,7-	Unit Flag Data	Meas Codes Quals	10						o ner) UGL	נים			חפר				_			190						רפר מפר		<u> </u>		101			190		
Leb Heth/ Dimethyl phthalate 132-64-9 Dibenzofuran 191-24-2 Benzolphiloranthene 193-39-2 Benzolphiloranthene 193-39-2 Benzolphiloranthene 206-90-2 Benzolphiloranthene 206-90-3 Benzolphiloranthene 206-90-3 Benzolphiloranthene 206-90-3 Benzolphiloranthene 206-90-3 Benzolphiloranthene 206-90-3 Benzolphiloranthene 206-90-3 Benzolphiloranthene 206-90-3 Benzolphiloranthene 206-90-3 Benzolphyrene 21-28-5 2-4-Dinitrophenol 21-28-5 2-4-Dinitrophenol 23-70-3 Dibenzanthacene 24-73-1 1,3-Diphilorobenzene 24-73-1 1,3-Diphilorobenzene 26-55-3 3-Methyl-4-chlorophenol / 4-Chloro-3- 606-20-2 2-6-Dinitrophenol 26-164-7 N-Mitrosodi-n-propylamine 27-47-4 N-Mitrosodi-n-propylamine 25-60-3 3-Methyl-4-chlorophenol 26-30-6 Benzolphyrene 26-30-6 Benzolphyrene 26-30-7 3-Methyl-4-chlorophenol 26-30-8 Phenanthrene 26-30-8 Benzolphyrene 26-30-9 Benzo	ē	ပ္သ								T 10						.1 25					10																_				
Lab Matrix C		Description	7 t 7 p 1 p 1 p 1 p 1 p 1 p 1 p 1 p 1 p 1 p		erylene erylene	,3-C,0]pyrene	oranthene / 3,4-	nthene	2	Joranthene	Lene		ene	henol	inracene / 1,2:5,6-	cresol / 2-Methyl-4,6-		Fizene	cene oronheno! / 4-chloro-3-	orona and a circle of		ropylamine	. 2	opentadiene		a) ate	phthalate	•	ohthalate	enylamine	-Fluorene	The Carba Color of the Carba Col	utadiene / Nexachioro-1,5-	enot	orophenot	ine in the second secon	lor	/ Ter cemphor	of the energy	phthalene	
Lab Meth/ 52856-01 SW1/W	•	Analyte I	Dimethyl	Dibenzofura	Benzo [ghi]	Indeno[1,2	Benzo[b] flu	Benzofluora	Fluoranther	Benzo[k] fl	Acenaphthy	Chrysene	Benzo [a] pyr	2,4-Dinitro	Ulbenzlanjan	4,6-Dinitro-2	dinitrophenol	doronand-c, i	3-Methyl-4-chl	Creen / Land	2,6-Dinitrotolu	N-Nitrosodi-n-p	Hexachloroethan	Hexachlorocycl	Soprorone	Diethyl phth	Di-n-butyl	Phenanthren	Butylbenzyl	N-Nitrosodiph	Fluorene / 9H	Horoldocau	nexacntorop butadiene	Pentachlorop	2,4,6-Trichl	2-Nitroanil	2-Nitrophe	Nachthalen	2-Methylpa	2-Chlorona	
∢ 1								;	0-44-0	07-08-9	8-96-80	18-01-9	0-32-8	1-28-5	5-07-6	34-52-1																	_								
	:	CAS No.	131-11-3	132-64-9				;	0-44-0	07-08-9	8-96-80	18-01-9	0-32-8	1-28-5	5-07-6	34-52-1																	_								

^{* -} Analyte Description has been truncated. See Data Dictionary

15-JAN-97

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW 15-JAN-07

	EPA Data Quals
	Data Quals
	Unit Flag Meas Codes UGL
	Me Bo Conc
IS-JAN-97	ion ene
C/-NWC-10	Analyte Description
g pare range: 01-JAN-13	CAS No. 95-50-1 95-57-8
Sampo	Meth/ Matrix
	Lab Meth/ Lab Anly. No. Matrix C
	Depth 26.0
	Field Sample Sample No. Depth Date
	Site 1D
	Site Type WELL M

Dat	enn	:																																												
Unit Flag			3 3	3	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	UGL	=	J :::	UGL	กפר	UGL	UGL		190		=	31		=	3 =	, is	<u>;</u>	181	3	191	3	=	를 등	1 1	#	3 5] 	- Ten	C Igi		190	กลี	<u> </u>	; ;	, 1	j =	1 15 15 15 15 15 15 15 15 15 15 15 15 15	}	UGL	ng.	UGL
Me	פס כסנוכ				5 5		7, T	3 5		LT 10	-1	11 1				111	11.5		111	; -			11 1		11.1		111	· · ·	4.0	111		-	- 1	111	7	1 1	- 1	-1-1	-		- 1	- 1		LT 1	LT 15	LT 1
Analyte Description		1,2-Dichlorobenzene	2-Chlorophenol	2.4.5-Trichlorophenol	Nitrobenzene / Essence of mirhene /	Oil of mirbane	3-Nitroaniline	6-Rromonhanyl nhanyl other		4-Intorophenyt phenyt ether	Ethylbenzene	Styrene / Ethenylbenzene / Styrol /	Styrolene / Cinnamene *	cis-1,3-Dichloropropylene / cis-1,3-	Dichloropropene	1,2-Dichloroethane	Methyl isobutyl ketone /	Isopropylacetone / 4-Methyl-2-pen*	Toluene	Chlorobenzene / Monochlorobenzene	Dibromochloromethane /	Chlorodibromomethane	Tetrachloroethylene /	Tetrachloroethene / Perchloroethylen*	1,2-Dichloroethylenes (cis and trans	isomers) / Acetylene *	Carbon tetrachloride	Methyl n-butyl ketone / 2-Hexanone	Acetone	Chloroform	Benzene	1,1,1-Trichloroethane	Bromomethane	Chloromethane	Chloroethane	Vinyl chloride / Chloroethene	Methylene chloride / Dichloromethane	Carbon disulfide	Bromoform	Bromodichloromethane	1,1-Dichloroethane	1,1-Dichloroethylene / 1,1-	Dichloroethene	1,2-Dichloropropane	Methyl ethyl ketone / 2-Butanone	1,1,2-Trichloroethane
CAS No.		95-50-1	95-57-8	95-95-4	98-95-3	1	2-60-66	1		, , ,	4-14-001	100-42-5		10061-01-5		107-06-2	108-10-1		108-88-3	108-90-7	124-48-1		127-18-4		540-59-0		56-23-5	591-78-6	67-64-1	67-66-3	71-43-2	71-55-6	74-83-9	74-87-3	75-00-3	75-01-4	75-09-2	75-15-0	75-25-2	75-27-4	75-34-3	75-35-4		78-87-5	78-93-3	c-nn-6
Meth/ Matrix		SMV1/W								10,000	M/NEA																		_				-								. –		•		-,	-
Lab inty. No.		52856-01																																												

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report
Installation :Fort Allen, Puerto Rico (FN)
File Type: CGW
15-184-75

	EPA Data Quals																																								
	Data Quals	:																																							
	Unit Flag Meas Codes	ner	UGL	3	3 2	1 1 1 1	ฮ	Jon	UGL	<u>ತ</u>	ತ :	3 3	3	3 2	3 151	i on	ารก	UGL	UGL	J S	ner	ายก	Jen O	UGL	Je Ne	בפר	ತ :	3 3	3 3	ਰ ਵ	3 2	3 5	<u> </u>		Je C	างก		UGF	าย วั	ತ :	100
	Me Bo Conc	1. 1.	1.1			250	LT 3	LT 10		L. 19	7:				6290	. 0202	14700				1 10	00596			LT 50		20,	20.0	7 25				11 10			LT 10				11 55	
01-JAN-75 15-JAN-97	Analyte Description	Trichloroethylene /Trichloroethene /		ietrachioroethane / Acetylene * Xvienes, total combined	trans-1,3-Dichloropropene	Diesel range organics	Lead	Gasoline range organics	Selentum Thomas I in the selection of th		Aptimone	Arsenic		Cadmium	Atuminum	Iron	Magnesium	Manganese	Nickel	Potassica	Silver	Sodium		Chromium	Cobalt			Colcium	4-Nitrophiline	4-Nitrophenol	2,4-Dimethylphenol	p-Cresol / 4-Cresol / 4-Methylphenol	ene	4-Chloroaniline	Bis(2-chloroisopropyl) ether	Phenol / Carbolic acid / Phenic acid	/ Phenylic acid / Phem	B18(2-chloroethyl) ether	Bis/2-ethylbox// Thth.lot.	Di-n-octv! ohthalate	
Sampling Date Range: 01-JAN-75	CAS No.	79-01-6	79-34-5				7439-92-1	0 07 0022	7-66-79//	9-03-04-1	7440-36-0	7440-38-2	7440-41-7	7440-43-9	7429-90-5	7439-89-6	7439-95-4	7459-96-5	7440-02-0	7-60-044/	7-22-055/	7440-23-5	7440-39-3	7440-47-3	7-83-044/	0-06-044	7-70-04-7	7440-70-2	100-01-6	100-02-7	105-67-9	106-44-5	106-46-7	106-47-8	108-60-1	108-95-2	144-44-7	11-01-1	17-81-7	117-84-0	
Sampting	Meth/ Matrix	VMS1/W				₩0 /±	GP81/W	5 12 Z	63C 1/W	#6C1/2	CM1/2				1CP2/W					•	- •		- •	•	•	- •	- , -		SMV1/W	•	•	•	•	•				- •			
	Lab Anly. No.	RL 52856-01				RL 52856-02																																			•
	Sample Date	04-DEC-96				04-DEC-96																																			
	Depth					77.0																																			
	Field Sample No.	M030126X			70000	MUSUCCEX																																			٠
	Site ID	MW-03-01			MU.07.03	20-CO-MH																																			
	Site Type	HELL																																							٠

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW 5ampling Date Range: 01-JAN-75

EPA Data	unais																																																	
Data	s i en m																																																	
Unit Flag	Seas codes	UGF	NGL	ner	ner	190		101	3 3	 	ner	ายก	NGF		190	7 2	- C	ָ הפיני	NGL	190		13.1	2	2	חפר		UGL	ner	101	350	Č	מפר	ngr	뮵	UGL	NGL	190	len In	เฮ็ก	Ten .	.		1 2	7 E	300	OGL		חפר	NGL	ner ner
We Good	2000		_		LT 10		1 10						LT 10		LT 10		•	2 :		LT 10		; - - -		72 71					LT 10		Ç.								LT 10										10	LT 25
Analyte Decription		Hexachlorobenzene	Anthracene	1,2,4-Trichlorobenzene	2,4-Dichlorophenol	2,4-Dinitrotoluene	Benzo[def]phenanthrene / Pyrene	Dimethyl phthalate	Dibenzofiran		penzolgnijperylene	Indeno[1,2,3-C,D]pyrene	Benzo[b]fluoranthene / 3,4-	Benzofluoranthene	Fluoranthene	Renzo Iki fluoranthene		Acerapi in y tene	Chrysene	Benzo [a] pyrene	2.4-Dinitrophenol	Dibenz fablanthracene / 1 2-5 4-	Dibenzanthracene	4.6-Dinitro-2-cresol / 2-Methyl-4.4-	dinitrophone	ginitrophenol	1,3-Dichlorobenzene	Benzo [a] anthracene	3-Methyl-4-chlorophenol / 4-Chloro-3-		2 K-Dini+ro+oluspe		N-Nitrosodi-n-propylamine	Hexachloroethane	Hexachlorocyclopentadiene	Isophorone	Acenaphthene	Diethyl phthalate	Di-n-butyl phthalate	Phenanthrene	Butylbenzyl phthalate	N-Nitrosodiphenylamine	Fluorene / 9M-Fluorene	Carbazole / 9H-Carbazole	Hexachlorobutadiene / Hexachloro-1 %-	hitadione		2 / Z-Taichlannat	2,4,0-1richlorophenol	2-Nitroaniline
CAS NO		118-74-1	120-12-7	120-82-1	120-83-2	121-14-2	129-00-0	131-11-3	132-64-0	101-27	7-42-161	193-39-5	205-99-2		206-44-0	207-08-9	208-04-8	0-04-007	218-01-9	50-32-8	51-28-5	53-70-3		534-52-1	1		541-75-1	56-55-3	59-50-7		404-20-2	7.000	7-49-179	1-2/-/9	77-47-4	78-59-1	83-32-9	84-66-2	84-74-2	85-01-8	85-68-7	86-30-6	86-73-7	86-74-8	87-68-3	3	87-94-E	C-70-40	7-00-00	88-74-4
Meth/ Matrix CAS No.		SMV1/W 118-74-1	120-12-7	120-82-1	120-83-2	121-14-2	129-00-0	131-11-3	0-79-621	101-26	7-42-161	193-39-5	202-99-2		206-44-0	207-08-9	208-04-8	240-70-0	218-01-9	50-32-8	51-28-5	53-70-3		534-52-1			541-75-	56-55-3	29-20-2		404-20-2	107.000	J-50-170	1-2/-/9	7-47-4	78-59-1	83-32-9	84-66-2	84-74-2	85-01-8	85-68-7	86-30-6	86-73-7	86-74-8	87-68-3	3	2-76-78	C-90-10	7-90-99	88-74-4
Meth/ Matrix			120-12-7	120-82-1	120-83-2	121-14-2	129-00-0	131-11-3	0-79-621	C 701-07	2-82-161	193-39-5	205-99-2		206-44-0	207-08-9	8-70-8UC	0-04-007	6-10-812	50-32-8	51-28-5	53-70-3		1-25-725			541-75-	56-55-3	29-20-2		404.20-2	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1-40-179	1-7/-/9	7-47-4	78-59-1	83-32-9	84-66-2	84-74-2	85-01-8	85-68-7	86-30-6	2-52-98	8-74-8	87-68-3		3-76-28	C-90-10	7-90-90	88-74-4
Meth/ Matrix		52856-02 SMV1/W	120-12-7	120-82-1	120-83-2	121-14-2	129-00-0	131-11-3	0-79-621	C-7C-101	2-h2-1 KI	193-39-5	205-99-2		206-44-0	207-08-9	8-70-800	0-04-007 0-04-04C	6-10-812	50-32-8	51-28-5	53-70-3		1-25-785			541-73-	56-55-3	29-20-2		6.06.20-3	7.07.000	J-90-170	1-7/-/9	7-47-4	78-59-1	83-32-9	84-66-2	84-74-2	85-01-8	85-68-7	86-30-6	86-73-7	8-52-98	87-68-3		3-76-28	C-20-10	7-90-90	88-74-4
Lab Antv. No. Matrix		RL 52856-02 SMV1/W	120-12-7	120-82-1	120-83-2	121-14-2	129-00-0	131-11-3	0-79-621	C: 7C= 901	7-67-16	193-39-5	202-99-2		206-44-0	207-08-9	8-70-800	0-04-007 0 80 88C	6-10-817	50-32-8	51-28-5	53-70-3		1-25-725		7 6 77 8	5-47-73-	56-55-3	29-20-5		404.20-2	7.7.00	J-49-170	1-7/-/9	7-47-4	78-59-1	83-32-9	84-66-2	84-74-2	85-01-8	2-89-58	9-02-98	2-52-5	8-74-8	2-89-28		3-76-28	C-00-10	7-90-90	88-74-4
Sample Lab Antv. No. Matrix Date Lab Antv. No. Matrix		04-DEC-96 RL 52856-02 SMV1/W	120-12-7	120-82-1	120-83-2	121-14-2	129-00-0	131-11-3	0-79-621	, to 101	2-12-16	193-39-5	205-99-2		206-44-0	207-08-9	20.400	0-04-007	6-10-817	50-32-8	51-28-5	53-70-3		1-25-725			J-{ }- P4	56-55-3	2-20-2		6.0C.30L.3	1	J-59-179	1-27-79	7-47-4	78-59-1	83-32-9	2-99-58	84-74-2	85-01-8	85-68-7	9-30-9	2-52-98	8-72-98	2-89-28		3-76-28	C-90-10	7-00-00	4-4/-88
Sample Lab Anly. No. Matrix Depth Date Lab Anly. No. Matrix		22.0 04-DEC-96 RL 52856-02 SMV1/W	120-12-7	120-82-1	120-83-2	121-14-2	129-00-0	131-11-3	0-79-621	7 PO 100	2-52-16-1	193-39-5	205-99-2		206-44-0	207-08-9	8-70-802	0.07-D07.	6-10-817	50-32-8	51-28-5	53-70-3		1-25-785			141-73-	56-55-3	2-20-2		6.05-50-5	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	7-14-120 7-140-120	1-7/-/9	77-47-4	78-59-1	83-32-9	84-66-2	84-74-2	85-01-8	85-68-7	9-02-98	2-52-98	8-72-98	87-68-3		3-76-28	7-00-10 1-00-10	7-00-00	4-4/-88

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW

	EPA Data Quals
	Data Quals
	Unit Flag Meas Codes
	Me 80 Conc
15-JAN-97	Analyte Description 2-Witrophenol Naphthalene / Tar camphor
Date Range: 01-JAN-75	Analyte Description 2-Witrophenol Wachthalene / Tar ca
Sampling Date Rang	Meth/ Matrix CAS No. SMV1/W 88-75-5 91-20-3
8S	Lab Anly. No. M
	Sample O. Depth Date
	Depth 22.0
	Field Sample No.
	Site ID
	Site Type

, å	•	: (Đ.	Unit Flag
9	Matrix	CAS No.	Analyte Description	8o Conc	
				:	
70-0	MV1/MS	88-75-5	2-Nitrophenol	17 10	ner
		91-20-3	Naphthalene / Tar camphor		=
		91-57-6	2-Wethylnaphthalene	17	d =
		91-58-7	2-Chloronaphthalene		3 2
		91-94-1	3,3'-Dichlorobenzidine	; <u>-</u>	3 2
		95-48-7	o-Cresol / 2-Cresol / 2-Mathylphanol		3
		95-50-1			<u> </u>
		95-57-8	2.Chlorophenol		של מפר
		7-50-50	2 6 Frich Charter		ا ا
		00-00-1	Manual Contorograms		ਤ ਨ
		2-64-04	Witrobenzene / Essence of mirbane /	LT 10	ายก
			O1 of mirbane		
		2-60-66	3-Nitroaniline	17 25	ner
			4-Bromophenyl phenyl ether	LT 10	<u> </u>
			4-Chlorophenyl phenyl ether		1 2
					3 5
			Unknown compound 552	3 5	1 2
			Unknown compaind 616	2 5	3 3
	VMS1/L	100-41-4	Ethylbensene		3 :
		100.42.5		_ :	3
		6-74-001	Styrene / Ethenylbenzene / Styrol /		J
			Styrolene / Cinnamene *		
		10061-01-5	cis-1,3-Dichloropropylene / cis-1,3-	LT 1	UGL
			Dichloropropene		
		107-06-2	1.2-Dichloroethane	1 1	3
		108-10-1	Methyl fechatyl betone /	- u	3 3
			Technological Actual Committee		3
			Isopropytacetone / 4-Methyl-Z-pen*		
		108-88-5	Toluene	11	1 50
		108-90-7	Chlorobenzene / Monochlorobenzene	111	2
		124-48-1	Dibromochloromethane /		d =
			Chlorodibromomethane		j
		127-18-4	Tetrachloroethylene /		2
			Tetrachloroethene / Perchloroethylen*		1
		540-59-0	1.2-Dichloroethylenes (cis and trans	111	3
			(SOMETR) / Aretviene #	-	3
		56-23-5	Carbon tetrachloride	1 1	-
		591-78-6	`		٦ :
		67-64-1	Acatoma	ر ا ا	
		2-77-27		٠ <u>١</u> ٢	UGF
		21-12-2			로
		7-64-17	Denzene 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	-	TS/
		7, 93.0	1,1,1-Trichloroethane	11	Ner
		7. 93-7	Bromomethane		JG Net
		74-07-5	Chloromethane	11	חפר
		2-8-5	Chloroethane	11 1	ner
		75-01-4	Vinyl chloride / Chloroethene	LT 1	T9N
		75-09-5	Methylene chloride / Dichloromethane	LT 1	ายก
					1

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGU

EPA Data	Muais															
Data	S LBCS	:														
Unit Flag	Sepon seem		1 2	1 15 15 15 15 15 15 15 15 15 15 15 15 15	1 5	3 5		<u> </u>	3 5	3 5	1 2		1917	·	ner	ner
Me Ro Cop				-				LT 1	17 15				11 1		,- -	LT 1
Analyte Description		Carbon disulfide	Bromoform	Bromodichloromethane	1,1-Dichloroethane	1,1-Dichloroethylene / 1,1-	Dichloroethene	1,2-Dichloropropane	Methyl ethyl ketone / 2-Butanone	1,1,2-Trichloroethane	Trichloroethylene /Trichloroethene /	Ethinyl trichloride /T*	Tetrachloroethane / 1,1,2,2-	Tetrachloroethane / Acetylene *	Unknown compound 249	Xylenes, total combined
Meth/ atrix CAS No.			75-25-2	75-27-4	75-34-3	75-35-4		78-87-5	78-93-3	2-00-62	79-01-6		24-5			
Lab Lab Anly. No. M		RL 52856-02 V														
Field Sample No.		M030222X														
Site ID		4N-03-02														
	Site Field Sample Lab Meth/ ID Sample No. Depth Date Lab Anly. No. Matrix CAS No. Analyte Description Ro Conc Mass Cadas August	Site Field Sample Lab Meth/ ID Sample No. Depth Date Lab Anly. No. Matrix CAS No. Analyte Description Bo Conc Meas Codes Quals	Me Unit Flag Data Adarix CAS No. Analyte Description Bo Conc Meas Codes Quals III III III III III IIII IIII IIII	Site Field Sample Lab Anly. No. Matrix CAS No. Analyte Description Meas Conc Meas Codes Quals	Site Field Sample Lab Anly. No. Matrix CAS No. Analyte Description Meas Codes Unit Flag Data 1D Sample No. Depth Date Lab Anly. No. Matrix CAS No. Analyte Description Book Book Meas Codes Quals MW-03-02 M030222X 22.0 04-DEC-96 RL 52856-02 VMS1/W 75-15-0 Carbon disulfide LT UGL 75-27-4 Bromodichloromethane LT LT UGL	Site Field Sample Lab Anly. No. Matrix CAS No. Analyte Description Meas Codes Unit Flag Data 1D Sample No. Depth Date Lab Anly. No. Matrix CAS No. Analyte Description Meas Codes Quals	Site Field Sample Lab Anly. No. Matrix Analyte Description Me Unit Flag Data Data Data ID Sample No. Depth Date Lab Anly. No. Matrix CAS No. Analyte Description Bo Conc Meas Codes Quals	Site Field Sample Lab Meth/ Analyte Description Me Unit Flag Data ID Sample No. Depth Date Lab Anly. No. Matrix CAS No. Analyte Description Bo Conc Meas Codes Quals	Site Field Sample Lab Meth/ Analyte Description Me Unit Flag Data ID Sample No. Depth Date Lab Anly. No. Matrix CAS No. Analyte Description Bo Conc Meas Codes Quals	Site Field Sample Lab Anly. No. Matrix CAS No. Analyte Description Me Bo Conc Heas Codes Quals	Site Field Sample Lab Meth/ Analyte Description Me Unit Flag Data Meas Codes Quals	Site Field Sample Lab Meth/ 10 Sample No. Depth Date Lab Anly. No. Matrix CAS No. Analyte Description Bo Conc Meas Codes Quals	Sample	Site Field Sample Lab Meth/ Borno Depth Date Lab Anly. No. Matrix CAS No. Analyte Description Borno Heas Codes Quals MW-03-02 M030222x 22.0 04-DEC-96 RL 52856-02 VMS1/M 75-15-0 Carbon disulfide T5-27-4 Bromodich Cromethane T5-35-4 1,1-Dichloroethane T5-35-4 1,1-Dichloroethane T6-35-4 1,1-Dichloroethane T7-35-4 1,1-Dichloroethane T8-93-3 Methyl ethyl ketone / 2-Butanone T7-37-4 Trichloroethane T8-93-3 Hethyl ethyl ketone / 11 1 UGL T9-01-6 Trichloroethane T1 01-6 Trichloroethane T9-01-6 Trichloroethane T9-01-6 Trichloroethane T9-01-6 Trichloroethane T1 1 UGL T1	Sample	Sample No. Depth

M080120X

MW-08-01

2750 1600 20300 144 40 5000 10 63400 200 200 20 20 20 76800 222 trans-1,3-Dichloropropene Lead Gasoline range organics Selenium Mercury Antimony Arsenic Beryllium Cadmium Aluminum Iron Maganese Nickel Potassium Silver Silver Silver Silver Cobjer Copper Diesel range organics 4-Nitroaniline 4-Nitrophenol 2,4-Dimethylphenol Calcium 7782-49-2 7440-28-0 7439-97-6 7440-38-2 7440-41-7 7440-43-9 7429-90-5 7440-43-9 7440-02-0 7440-22-4 7440-23-5 7440-47-3 7440-66-6 7440-66-6 7440-62-2 7440-62-2 7440-62-2 7440-62-2 7440-62-2 7439-92-1 DRO /W GPB1/W GRO /W GSE1/W GTL1/W HGC1/W ICP2/W SMV1/W 52856-03 귍 20.0 03-DEC-96

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW 15-JAN-97

15-JAN-97

Site Type

	EPA Data Quals																																																			
	Data Quals	:::																																																		
	Unit Flag Meas Codes		Jon Oer	UGL	UGL	UGL	En	}	3	100	190	กפר	UGL	750	<u> </u>	3	הפר	Jer	UGL	ner	UGL	190		3 -	5	UGL		UGL	าอก	105	195	3 3	ָרָרָרָרָרָרָרָרָרָרָרָרָרָרָרָרָרְרָרָרָרְרָרָרְרָרָרְרָרְרָרְרָרְרָרְרָרְרָרְרָרְרָרְרָרְרָרְרְיִי	חפר	ษา		ner		ner	100	3 - 3	180	3		ָ הפר	ner ner	ายก	UG.	UGL	ner	<u> </u>	1
á	Bo Conc		LT 10	1 10			LT 10		1 10				1 10	LT 10				2 :		LT 10					2 5							2 5		Q :	LT 10		11 25		17 10	LT 10			11 10	2 5				LT 10			LT 10	
	Analyte Description	•	p-rresol / 4-rresol / 4-Methylphenol	1,4-Ulchlorobenzene	4-Chloroaniline	Bis(2-chloroisopropyl) ether	Phenol / Carbolic acid / Phenic acid		Bis(2-chloroethyl) ether	Rie(2-chloroethowy) methons		BIS(2-ethylnexyl) puthalate	Di-n-octyl phthalate	Hexachlorobenzene	Anthracene	1.2.4-Trichtorobenzene	2 4-Nichlosophanol		c, 4-Dinitrototuene	Benzoldef]phenanthrene / Pyrene	Dimethyl phthalate	Dibenzofuran	Benzo (ghi) perylene	Indeno[1,2,3-C,D]ovrene	Benzofalfluoranthene / 3 4.		Benzor (Uoranthene	ruoranthene	Benzo [k] fluoranthene	Acenaph thy lene	Chryspia	Benzofalovrene			Dibenzianjanthracene / 1,2:5,6-	Ulbenzantnracene	4,6-Dinitro-2-cresol / 2-Methyl-4,6-	dinitrophenol	1,3-Dichlorobenzene	Benzo (a) anthracene	3-Methyl-4-chlorophenol / 4-Chloro-3-	cresol / 4-Chloro-3-m*	2.6-Dinitrotoluene	M-Mitrosodi.n.promine			Hexach lorocyclopentadiene	Isophorone	Acenaph thene	Diethyl phthalate	Di-n-butyl phthalate	
	CAS No.	404.77.E	100-44-0	100-40-7	9-74-001	108-60-1	108-95-2		111-44-4	111-01-1	117-91-7	7-10-711	0-%-711	118-74-1	120-12-7	120-82-1	120-83-2	121-14-2	7-14-131	0-00-671	5-11-15	132-64-9	191-24-2	193-39-5	205-99-2		0 // 700	0-44-002	507-08-9	208-96-8	218-01-9	50-32-8	11-28-5	52-20-3	6-07-6		1-26-966		41-73-1	56-55-3	9-50-7		606-20-2	621-64-7	7-72-1	17.1	*-/*-/	1-66-97	3-52-9	7-99-4	4-74-2	
Meth/	Matrix	CMV4 AL	M/I ALIC																•			•	•		•	•	•	y (ď	10		•	n	•	n	ın	'n		•	•	•) r	~ 1	~ (80 (3 0	∞	
Lab	Lab Anly. No.	DI 52856-07																																																		
Sample	Date	03-DEC-96																																																		
	Depth	20.0																																																		
Field	Sample No.	M080120X																																																		
Site	₽ ;	MW-08-01																																																		

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW 15-JAN-97

EPA Data Quals																																																	
Data Quals																																																	
Unit Flag Meas Codes		UGL	ner	กפר	UGL	190	1911	3	3		ngr	UGL	19n	ner	1 2	35	3	OGF	OG.	UGL	UGL	ner	ner	1	2	1 2	700	UGL	UGL	UGL		ner		1911	i en	1	<u> </u>	; ;	150	3	191	;	121	3	ner	กפר	NGL	UGL	
Me Bo Conc							LT 10		17 25	_			LT 10	LT 10									LT 10		17 25			LT 10	-1	11		LT 1		1.1	LT 5		111	111			11 1		11 1		111	LT 5	LT 5	LT 1	
Analyte Description	Obeses + to to to to to to to to to to to to to		Butylbenzyl phthalate	N-Nitrosodiphenylamine	Fluorene / 9M-Fluorene	Carbazole / 9H-Carbazole	Hexachlorobutadiene / Hexachloro-1.3-	butadiene	Pentachlorophenol	2 / 4.Trich contour	Z, 4, 0-111ch (orophenot	Z-Nitroaniline	2-Nitrophenol	Naphthalene / Tar camphor	2-Methylnaphthalene	2-Chloronaphthalene	3.3/-Dichlorobenzidine	O-Cresol / O-Cresol / O-Methylphonel	1 2-Dishloshemenn	1, 2-Vichioropenzene	Z-Chlorophenol	2,4,5-Trichlorophenol	Nitrobenzene / Essence of mirbane /	Oil of mirbane	3-Nitroaniline	4-Bromonhenyl phenyl ether		4-unlorophenyl phenyl ether	Ethylbenzene	Styrene / Ethenylbenzene / Styrol /	Styrolene / Cinnamene *	cis-1,3-Dichloropropylene / cis-1,3-	Dichloropropene	1,2-Dichloroethane	Methyl isobutyl ketone /	Isopropylacetone / 4-Methyl-2-pen*	Toluene	Chlorobenzene / Monochlorobenzene	Dibromochloromethane /	Chlorodibromomethane	Tetrachloroethylene /	Tetrachloroethene / Perchloroethylen*	1,2-Dichloroethylenes (cis and trans	isomers) / Acetylene *	Carbon tetrachloride	Methyl n-butyl ketone / 2-Hexanone	Acetone	Chloroform	
CAS No.	85.01.8		/-00-00	0-20-00	86-73-7	86-74-8	87-68-3		87-86-5	88-04-2	7-00-00	4-4/-88	88-75-5	91-20-3	91-57-6	91-58-7	91-94-1	05-48-7	05-50-1	77-70-1	72-76-68 97-97-8	95-95-4	98-95-3		2-00-66	;		, , , ,	4-14-001	100-42-5		10061-01-5		107-06-2	108-10-1		108-88-3	108-90-7	124-48-1		127-18-4		540-59-0		56-23-5	91-78-6	1-60-70	7-66-3	
Meth/ Matrix	SMV1 /L	# / I A I S															-	Ī		•								, 10, 10,000	M/I SWA	•		•		•	•		•	•	•				u i		L	.	,	v	
Lab Lab Anly. No.	RI 52856-03																																																
Sample Date	03-DEC-96																																																
Depth	20.0))																																													•		
Field Sample No.	M080120X																																																2.4 h h
s Site	Ę																																																
Site Type	: <u>-</u>																																																,

^{* -} Analyte Description has been truncated. See Data Dictionary

15-JAN-97

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW

	Dat
	Unit Flag
	Te C
15-JAN-97	in
nge: 01-JAN-75	Analyte Description
Sampling Date Range: 01-JAN-75	Lab Meth/ Lab Anlv. No. Matrix CAS No.
<i>o,</i>	Lab Antv. No.
	Sample Date
	Depth
	Field Sample No.
	Site 10

Site Type	Site 10	Field Sample No.	Depth	Sample Date	Lab	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description			Data Quals	EPA Data Quals
WELL	₹		20.0	03-DEC-96		52856-03	VHS1/W	71-43-2	Benzene	LT 1		:	!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
								71-55-6	1,1,1-Trichloroethane	11	let Net		
								74-83-9	Bromomethane	LT 1	Ner		
								74-87-3	Chloromethane	LT 1	ายก		
								75-00-3	Chloroethane	- 1	Jon		
								75-01-4	Vinyl chloride / Chloroethene	11	ner n		
								75-09-2	Methylene chloride / Dichloromethane	111	ายก		
								75-15-0	Carbon disulfide	1 1	าอก		
								75-25-2	Bromoform	- 1			
								75-27-4	Bromodichloromethane	-	50		
								75-34-3	1,1-Dichloroethane		5		
								75-35-4	1,1-Dichloroethylene / 1,1-	11	1 50		
									Dichloroethene				
								78-87-5	1,2-Dichloropropane	111	ner		
								78-93-3	Methyl ethyl ketone / 2-Butanone	17 75	1 55		
								2-00-62	1,1,2-Trichloroethane		j 5		
								79-01-6	Trichloroethylene /Trichloroethene /		1 55		
									Ethinyl trichloride /T*		}		
								79-34-5	Tetrachloroethane / 1.1.2.2-	111	191		
									Tetrachionosthans / Acetylens #	- ;	200		
									Unknown company 052	•	5		
									Wylenes total combined	7 +	3 3		
									Ayteres, total compined	- •	ا مور		
	MU-00-01	MOODITIX	14.0	04-0EF-04	5	52854.04	7				חפר		
	· · · · · · · · · · · · · · · · · · ·			04-050-70	į	76030-04	2000 1/1	7,40.02.4	Uneset renge organics	100	<u>ප්</u> :		
							# / B G	?		•	Jer Oer		
							GRO /W		Gasoline range organics	1 10	교		
							GSE1/W		Selenium		ig N		
							GTL1/W	7440-28-0	Thatlide	•	J S		
							HGC1/W		Mercury	LT .2	ษัก		
							ICM1/V		Antimony	11	UGL		
								7440-38-2	Arsenic	LT 5	5		
								7440-41-7	Beryllium	111	195		
								7440-43-9	Cadhium	-	อก		
							ICP2/W	7429-90-5	Atumina	11 200	1911		
								7439-89-6	Iron		3 =		
								7439-95-4	Magnesica		; i		
								7439-96-5	Kandanasa	1.T 15	;		
								7440-02-0		_	3 3		
								7.40-00-7			1 6		
								7-60-044/			3 3		
								4-22-044/		10	3		
								7440-63-5	Sodium.		UGL		
								7440-59-5			ายก		
								7440-47-3	Chromium	LT 10	UGL		
								7-84-044/	Cobalt		ner		
*	nalyte Desci	* - Analyte Description has been truncated	en trin		9	Cae Date Dictions	_						

^{* -} Analyte Description has been trumcated. See Data Dictionary

EPA Data Quals

15-JAN-97

Site Type

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW

	Data Quals
	Unit Flag Meas Codes UGL UGL UGL UGL
	Me Bo Conc
-JAN-75 15-JAN-97	Analyte Description Copper Vanadium Zinc Calcium 4-Nitrophenol
Sampling Date Range: 01-JAN-75	CAS No. 7440-50-8 7440-62-2 7440-66-6 7440-70-2 1100-01-6
Samp	Lab Meth/ Lab Anly. No. Matrix
	Sample Date 04-DEC-96
	Field Sample Sample Sample No. Depth Date
	Site ID MW-09-01

latrix	CAS NO.	Analyte Description	Bo Conc	Meas Codes	ã
:		1	:		: :
CP2/W	7440-50-8	Copper	17 25	2	
	7440-62-2	Vanadium		3 3	
	2440-66-6	Zine	2 2	1 2	
	2-02-0772			1	
WV1/W	100-01-6	A-Nitrophilips		79. C	
	100-01		C !!	J D D	
	100-02-7	4-Nitrophenol	LT 25	널	
	4-70-COI			UGL	
	106-44-5	p-Cresol / 4-Cresol / 4-Methylphenol		J S N	
	106-46-7	1,4-Dichlorobenzene		ign	
	106-47-8	4-Chloroaniline	17 10	; ; ;	
	108-60-1	Bis(2-chloroisopropyl) ether		1 2	
	108-95-2	Phenol / Carbolic acid / Phenic acid		5 2	
				750	
	111-44-4		17 10	2	
	111-91-1	Bis(2-chloroethoxv) methane		196	
	117-81-7	Bis(2-ethylhexyl) phthalate	-	190	
	117-84-0	Di-n-octyl phthalate	3 2	1 2	
	118-74-1	Hexachlorobenzene		750	
	120-12-7	Anthracene		100	
	120-82-1	1 2 4-Trichlorohanzene		100	
	120-83-2	2 /- Dichlorophone		- Jo	
	124 62 62			Net	
	7-61-171			ner	
	0-00-671	Benzo[def]phenanthrene / Pyrene		Jen Net	
	131-11-3	nalate		UGL	
	132-64-9	Dibenzofuran		UGL	
	191-24-2	Benzo [ghi] perylene		חפר	
	193-39-5			UGL	
-	202-66-502	Benzo[b]fluoranthene / 3,4-	LT 10	ner	
		thene		1	
	206-44-0	Fluoranthene	LT 10	2	
	207-08-9	Benzo[k] fluoranthene		<u> </u>	
	208-96-8	Acenaphthylene		, E	
. •	218-01-9	Chrysene		3 5	
	50-32-8	Benzo [a] pyrene	LT 10	3 5	
	51-28-5	2,4-Dinitrophenol		j =	
	53-70-3	Dibenz[ah]anthracene / 1,2:5,6-	L7 15	ign nei	
		Dibenzanthracene		3	
	534-52-1	4,6-Dinitro-2-cresol / 2-Methyl-4,6-	17 25	190	
				1	
	541-73-1	1,3-Dichlorobenzene		ner	
- 1	56-55-3	Benzo [a] anthracene	LT 10	len Ner	
- 1	29-50-7	3-Methyl-4-chlorophenol / 4-Chloro-3-	LT 10	ner	
J	606-20-2	2,6-Dinitrotoluene	LT 10	2	
				3	

^{* -} Analyte Description has been truncated. See Data Dictionary

15-JAN-97

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW 15-JAN-97

þ		Sample	, qe 1	sampe ing Meth/	Sampring Date Kange: UI-JAN-73 Meth/	/A-NAL-CI C1-NAL-IO	/ A - N b	4	; c		400 400
epth		Sample No. Depth Date	Lab Anly. No. Matrix	Matrix	CAS No.	Analyte Description		80 Conc	Meas Codes	Quals	Quals
i	•	:						:::::::::::::::::::::::::::::::::::::::			
5.	0	94-DEC-96	RL 52856-04	SMV1/W	621-64-7	N-Nitrosodi-n-propylamine	Je	LT 10	UGL		
					67-72-1	Hexachloroethane		LT 10	ษั		

	Meth/			Æ	Unit Flag
b Anly. No.	Matrix	CAS No.	Analyte Description	8o Conc	Meas Codes
		:		:	
52856-04	SMV1/W	621-64-7	N-Nitrosodi-n-propylamine	LT 10	ner ner
		67-72-1	Hexachloroethane	11 10	1911
		7-47-4	Hexachlorocyclopentadiene	•	1 2
		78-59-1	Isophorone	•	100
		83-32-9	Acenaphthene		701
		84-66-2	Diethyl phthalate		190
		84-74-2	Di-n-butyl phthalate		1 2
		85-01-8	Phenanthrene	•	i en
		85-68-7	Butylbenzyl phthalate		รู้ก็
		86-30-6	N-Nitrosodiphenylamine		เอ็ก
		86-73-7	Fluorene / 9H-Fluorene		รูก
		86-74-8	Carbazole / 9M-Carbazole		UGF
		87-68-3	Hexachlorobutadiene / Hexachloro-1,3-		חפר
			butadiene)
		87-86-5	Pentachlorophenol		ner
		88-06-2	2,4,6-Trichlorophenol	11 10	190
		7-74-88	2-Nitrogniline		190
		88-75-5	2-Nitrophenol	1 10	
		91-20-3	Naphthalene / Tar camphor		150
		91-57-6	2-Methylnaphthalene	1 10	1911
		91-58-7	2-Chloronaphthalene	1 2 2	301
		91-94-1	3.3'-Dichlorobenzidine		101
		95-48-7	o-Cresol / 2-Cresol / 2-Methylphenol	2 =	150
		95-50-1	1.2-Dichlorobenzene		130
		05-57-R	2-Ch Crock-pool		3
		7-30-50		ب ا د	המנו
		93-93-4 00 05 3	Z, 4, 3-1 Fich to rophenot		100
		6-64-94	Mitrobenzene / Essence of mirbane /	LT 10	ายก
		6	Oil of mirbane		
		7-60-66	2-W1 (10801) (108	11 25	חפר
			4-Bromophenyl phenyl ether	LT 10	UGL
	•		4-Chlorophenyl phenyl ether		วียา
	VMS1/W	100-41-4	Ethylbenzene	11	ner
		100-42-5	Styrene / Ethenylbenzene / Styrol /	1 1	UGL
			Styrolene / Cinnamene *		
		10061-01-5	cis-1,3-Dichloropropylene / cis-1,3-	11	ner
			Dichloropropene		
		107-06-2	1,2-Dichloroethane	11	UGL
		108-10-1	Methyl isobutyl ketone /	11 5	15n
			Isopropylacetone / 4-Methyl-2-pen*		
		108-88-3	Toluene	11 1	ner
		108-90-7	Chlorobenzene / Monochlorobenzene	111	ner
		124-48-1	Dibromochloromethane /	11 1	ายก
			Chlorodibromomethane		
		127-18-4			

^{* -} Analyte Description has been truncated. See Data Dictionary

127-18-4

15-JAN-97

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW

15-JAN-97
e: 01-JAN-75
Date Range:
Sampling

Sample Depth Date 13.0 04-DEC-96

Field Sample No.

Site Site
Type ID
---WELL MW-09-01

EPA Data Quals	:																											
Data Quals	:																											
Unit Flag Meas Codes	ner	Ğ	790	เอก	าฮก	190	150	190	190	เชา	NGF	j	. 150	าซูก	ner	ายก	חפר	ner	T _O n		NGL	UGL	l Jon	ner	กפר	1	ಶ ೧	190
Me Bo Conc	111		-	LT 1	17.5	LT 5	ון	-	111	11	LT 1	11	-	11 1	11	11 1	. 11	LT 1	111		111	LT 15	1 1	LT 1	11		- ·	_
Analyte Description	Tetrachloroethylene /	Tetrachloroethene / Perchloroethylen*	isomers) / Acetylene *	Carbon tetrachloride	Methyl n-butyl ketone / 2-Hexanone	Acetone	Chloroform	Benzene	1,1,1-Trichloroethane	Bromomethane	Chloromethane	Chloroethane	Vinyl chloride / Chloroethene	Methylene chloride / Dichloromethane	Carbon disulfide	Bromoform	Bromodichtoromethane	1,1-Dichloroethane	1,1-Dichloroethylene / 1,1-	Dichloroethene	1,2-Dichloropropane	Methyl ethyl ketone / 2-Butanone	1,1,2-Trichloroethane	Trichloroethylene /Trichloroethene /		vilent total continued	Aylenes, total compined	
CAS No.	127-18-4	240-59-0		56-23-5	591-78-6	67-64-1	67-66-3	71-43-2	71-55-6	74-83-9	74-87-3	75-00-3	75-01-4	75-09-2	75-15-0	75-25-2	75-27-4	75-34-3	75-35-4		78-87-5	78-93-3	79-00-5	79-01-6	(7-54-5			
Meth/ Matrix																												
Lab Anly. No.	RL 52856-04																											

^{**} End of Report - 493 Records Found **

^{* -} Analyte Description has been truncated. See Data Dictionary

SOURCE WATER DATA

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW

28-JAN-97	
01-JAN-75	
Range:	
Date	
ling	
Sampling	

	EPA Data Quals	† 4 4 4 1																																											
	Data Quals	:																																											
	Flag Code	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	> > Ner Ner	NGL V	NGL V	A JOA	ner v	ner <	ner v	ner v	ngr v	NGL V	o ner	^ 190	ngr <	A VOIT	NGL V	UGL V	ner v	ner v	^ ายก	NGL V	ngr v	ngr v	NGL V								ngr v						ner v				ngr v	NGL V	
		LT 100	11 3		LT 10	LT .2	L]	LT 5	- 5		LT 200		22100		LT 40			93000		LT 10		LT 25	LT 50	LT 20	79800	LT 25	11 25		5	-			=									LT 10			
-JAN-75 28-JAN-97	Analyte Description	Diesel range organics	Gasoline range organics	Selenium	Thallium	Mercury	Antimony	Arsenic	Beryllium	Cadmium	Aluminum	Iron	Magnesium	Manganese	Nickel	Potassium	Silver	Sodium	Barium	Chromium	Cobalt	Copper	Vanadium	Zinc	Calcium	4-Nitroaniline	4-Nitrophenol	2,4-Dimethylphenol	p-Cresol / 4-Cresol / 4-Methylphenol	ene	4-Chloroaniline	Bis(2-chloroisopropyl) ether	Phenol / Carbolic acid / Phenic acid	/ Phenylic acid / Phe*	Bis(2-chloroethyl) ether	Bis(2-chloroethoxy) methane	Bis(2-ethylhexyl) phthalate	Di-n-octyl phthalate	Hexachlorobenzene	Anthracene	1,2,4-Trichlorobenzene	2,4-Dichlorophenol	2,4-Dinitrotoluene	Benzo[def]phenanthrene / Pyrene	
5																																													
Date Range: 01-JAN-75	CAS No.	7/40-02-1	1-36-664	7782-49-2	7440-28-0	7439-97-6	7440-36-0	7440-38-2	7440-41-7	7440-43-9	7429-90-5	7439-89-6	7439-95-4	7439-96-5	7440-02-0	2440-06-7	7440-22-4	7440-23-5	7440-39-3	7440-47-3	7440-48-4	7440-50-8	7440-62-2	2440-66-6	7440-70-2	100-01-6	100-02-7	105-67-9	106-44-5	106-46-7	106-47-8	108-60-1	108-95-2		5-55-111	111-91-1	117-81-7	117-84-0	118-74-1	120-12-7	120-82-1	120-83-2	121-14-2	129-00-0	
Sampling Date Range: 01		DRO /W 2/20-02-1		GSE1/W 7782-49-2			ICM1/W 7440-36-0	7440-38-2	7440-41-7		ICP2/W 7429-90-5	7439-89-6	7439-95-4	7439-96-5	7440-02-0	2-60-0572	7440-22-4	7440-23-5	7440-39-3	2440-47-3	7440-48-4	7440-50-8	7440-62-2	9-99-0572		SMV1/W 100-01-6		105-67-9	106-44-5	106-46-7	106-47-8	108-60-1	108-95-2		5-55-111	111-91-1	117-81-7	117-84-0	118-74-1	120-12-7	120-82-1	120-83-2	121-14-2	129-00-0	
		DRO /W						7440-38-2	7440-41-7			7439-89-6	7-36-6272	2-96-624	7440-02-0	2-60-0772	7440-22-4	7440-23-5	7440-39-3	2440-47-3	7-87-077	2440-50-8	. 7440-62-2	9-99-0572				105-67-9	106-44-5	106-46-7	106-47-8	108-60-1	108-95-2		4-44-III	111-91-1	117-81-7	117-84-0	118-74-1	120-12-7	120-82-1	120-83-2	121-14-2	129-00-0	
	Meth/ Matrix	96 RL 52614-01 DRO /W						7440-38-2	7440-41-7			2439-89-6	7-56-6272	7439-96-5	7440-02-0	2-60-0572	740-25-4	7440-23-5	2-62-39-3	240-44-3	5-85-0552	8-05-0772	. 7440-62-2	9-99-0572				105-67-9	106-44-5	106-46-7	106-47-8	108-60-1	108-95-2		5-55-111	111-91-1	117-81-7	117-84-0	118-74-1	120-12-7	120-82-1	120-83-2	121-14-2	129-00-0	
	Lab Meth/ Lab Anly, No. Matrix	14-NOV-96 RL 52614-01 DRO /W						7440-38-2	7-41-7			2439-89-6	7-56-62-4	7439-96-5	2440-05-0	2-60-0572	7440-22-4	7440-23-5	26-07-2	2440-47-3	7-87-0772	8-05-0742	. 7440-62-2	9-99-0772				105-67-9	106-44-5	106-46-7	106-47-8	108-60-1	108-95-2		サ-ササ-LL!	111-91-1	117-81-7	117-84-0	118-74-1	120-12-7	120-82-1	120-83-2	121-14-2	129-00-0	
	Sample Lab Meth/ Date Lab Anly. No. Matrix	0.0 14-NOV-96 RL 52614-01 DRO /W						7440-38-2	7440-41-7			7439-89-6	7-36-62-4	7439-96-5	240-05-0	2-60-0772	740-25-4	7440-23-5	2-36-39-3	240-42-3	7-87-0772	8-05-0774	. 7440-62-2	9-99-0572				105-67-9	106-44-5	106-46-7	106-47-8	108-60-1	108-95-2		7-77-11	F-10-111	117-81-7	117-84-0	118-74-1	120-12-7	120-82-1	120-83-2	121-14-2	129-00-0	
	Sample Lab Meth/ Depth Date Lab Anly. No. Matrix	WW#2 0.0 14-NOV-96 RL 52614-01 DRO /W						7440-38-2	740-41-7			9-68-62/2	7439-95-4	2439-96-5	7440-02-0	2440-09-7	7-470-55-4	7440-23-5	26-0792	2470-47-3	7-87-0772	7440-50-8	. 7440-62-2	9-99-042				105-67-9	106-44-5	106-46-7	106-47-8	108-60-1	108-95-2		*-**-III	1-10-111	117-81-7	117-84-0	118-74-1	120-12-7	120-82-1	120-83-2	121-14-2	129-00-0	

^{* -} Analyte Description has been truncated. See Data Dictionary

Site Site Type 1D

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW 28-JAN-97

	Flag Data EPAData Codes quals duals	2000																																														
	Unit F		> 19f1				> >			> ฮูก	> 190	> 195	•					>		>		-		>	• > 5 5	> > 5 =	7 5						> : - :	> = = = = = = = = = = = = = = = = = = =					2	_					> : 55 :		^ ไฮก	
	Me Bo Conc		LT 10		1 10		1 -			C1 10	LT 10		£ 1			: <u> </u>	i	- 11.25	i		17			LT 10	•		; <u>-</u>		2 9				2 5		: <u>:</u>		: =	;	11 25		; <u>-</u>	; <u>;</u>	2 5		2 5			•
01-JAN-75 28-JAN-97	Analyte Description		Dimethyl phthalate	Dibenzofuran	Benzo [ghi] perylene	Indeno[1,2,3-C.D]nvrene	Benzo[b] fluoranthene / 3.4-	Rentofliorenthene			Benzo [k] fluoranthene	Acenaphthylene	Chrysene	Benzo [a] pyrene	2.4-Dinitrophenol	Dibenz [ah] anthracene / 1,2:5.6-	Dibenzanthracene	4,6-Dinitro-2-cresol / 2-Methyl-4.6-	dinitrophenol	1,3-Dichlorobenzene	Benzo [a] anthracene	3-Methyl-4-chlorophenol / 4-Chloro-3-	3-E-E	2,6-Dinitrotoluene	N-Nitrosodi-n-propylamine	Hexachloroethane	Hexach lorocycl opentadiene	Isochorone	Acenson thene	District of the second		Phenenthrens	Butylbenzyl phthalate	N-Nitrosodiphenylagine	Fluorene / 9H-Fluorene	Carbazole / 9M-Carbazole	Hexachlorobutadiene / Hexachloro-1 3-	butadiene	Pentachlorophenol	2,4,6-Trichlorophenol	2-Witrosniline	2-Nitrophenol	Naphthalene / Tar camphor	2-Methylnephthalana	2-Chloropaphthalana	3 3/-Dichlorobensidine	J.J. Ulcilloropenzique	the desired to the second of the second of
Date Range: 01-JAN-75	CAS No.		131-11-3	132-64-9	191-24-2	193-39-5	205-99-2		0-77-906	204	6-90-707	208-96-8	218-01-9	50-32-8	51-28-5	53-70-3		534-52-1		541-73-1	56-55-3	59-50-7		606-20-2	621-64-7	67-72-1	77-47-4	78-59-1	83-32-0	84-66-2	84-74-2	85-01-8	85-68-7	86-30-6	56-73-7	86-74-8	87-68-3		37-86-5	38-06-2	38-74-4	58-75-5	71-20-3	21-57-6	71-58-7	1-04-1	7 - 07 - V	7-KA-C
Sampling			SMV1/W																														-		_	_	_		-	_	_	~	•					
	Lab Lab Anly. No.		RL 52614-01																			•																										
	Sample Date		14-NOV-96																																													
	Depth		0.0																																													
	Field Sample No.	CHIEL	ZHMM																																													

^{* -} Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW 28-JAW-07

Sample Date

Field Sample No. Depth WW#Z 0.0 1

Site Site Type ID WELL WW#2

	Sampling	g Date Range: 01-JAN-75	01-JAN-75 28-JAN-97				
Lab	Meth/			S.	Unit Flag	4	CDA ACT
Lab Anly. No.	Matrix	CAS No.	Analyte Description		Meas Codes		Quals
RL 52614-01	SMV1/W	95-50-1	1 2-Dichlorobenzene				
	•	95-57-R	2-Chlorophanol				
		95-95-4	2.4.5-Trichlorophenol	 	> >		
		98-95-3	Nitrobenzene / Essence of mirbane /	1 5			
				2			
		2-60-66	3-Nitroaniline		A 190		
			4-Bromophenyl phenyl ether	11 10			
			4-Chlorophenyl phenyl ether				
	VMS1/W	100-41-4	Ethylbenzene				
		100-42-5	Styrene / Ethenvibenzene / Styrol /		> >		
			Styrolene / Cinnamene *	;	_		
		10061-01-5	cis-1,3-Dichloropropylene / cis-1,3-	11 1	^ ISI		
			Dichloropropene				
		107-06-2	1,2-Dichloroethane		> 1511		
		108-10-1	Methyl isobutyl ketone /	[1 5	> 		
			Isopropylacetone / 4-Methyl-2-pen*				
		108-88-3	Toluene	[1]	> 151		
		108-90-7	Chlorobenzene / Monochlorobenzene	- 1			
		124-48-1	Dibromochloromethane /	11	-		
		:	Chlorodibromomethane				
		127-18-4	Tetrachloroethylene /	11 1	OGL V		
			Tetrachloroethene / Perchloroethylen*				
		240-29-0	1,2-Dichloroethylenes (cis and trans	LT 1	חפר <		
		;	isomers) / Acetylene *				
		56-23-5	Carbon tetrachloride		VGL V		
		591-78-6	Methyl n-butyl ketone / 2-Hexanone		V UGL V		
		67-64-1	Acetone	LT 5	VGL V		
		6/-66-3	Chloroform	LT 1			
		71-45-2	Benzene	11			
		71-55-6	1,1,1-Trichtoroethane	11			
		74-83-9	Bromomethane	1.1			
		74-87-5	Chloromethane	LT 1	NGL V		
		75-00-5	Chloroethane	L1 1			
		72-01-4 17-00-14	Vinyl chloride / Chloroethene	LT 1			
		2-60-57	Methylene chloride / Dichloromethane	11			
		75-15-0	Carbon disulfide	LT 1			
		75-25-2	Bromoform	11 1			
		75-27-4	Bromodichloromethane	LT 1	^ 15N		
		75-34-3	1,1-Dichloroethane	11			
		75-35-4	1,1-Dichloroethylene / 1,1-	111	OGL V		
•		70 64	Dichloroethene				
		70-8/-2		L1 1	ngr <		
		78-93-3	Methyl ethyl ketone / 2-Butanone	LT 15	OGL V		
		C-00-67	i,l,Z-Irichloroethane	LT 1	ngr v		

* - Analyte Description has been truncated. See Data Dictionary

EPA Data Quals

Data Quals

Unit Flag Meas Codes VGL V <u>ಇ</u>

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Final Documentation Appendix Report Installation :Fort Allen, Puerto Rico (FN) File Type: CGW Sampling Date Range: 01-JAN-75

28-JAN-97 CAS No. Lab Anly. No. Matrix (

L1 1 111 Trichloroethylene /Trichloroethene / Ethinyl trichloride /T*
Tetrachloroethane / 1,1,2,2Tetrachloroethane / Acetylene *
Xylenes, total combined
trans-1,3-Dichloropropene Analyte Description 79-01-6

79-34-5

14-NOV-96 Sample Date

0.0 Depth

Field Sample No.

Site 10 2#5

Site Type

** End of Report - 122 Records Found **

* - Analyte Description has been truncated. See Data Dictionary

IRDMIS FLAGGING CODES AND DATA QUALIFIERS

W001976APP 9890-05

ELEMENT IS USED IN THE FOLLOWING IR RECORDS AND DATA BASE TABLES:

IRDMIS !	Record	IRDMIS Dat	a Race
Record Type	Column(s)	DB Table(s)	DB Colum
•	132	chem/cqc	
	133	- -	flag_code
	134	•	
	135		
	136		
	137		
	138		
	· 139		
		flag_quals_desc	f_q_code

Any valid chemical or radiological record type

ELEMENT SIZE AND CHARACTERISTICS:

IRDMIS Record:

1 upper-case alphabetical character, full field (as many as 8 per record) chem/cqc:

IRDMIS Data Base:

as many as 8 Flagging Codes per record

flag_quals desc:

1 Flagging Code per record

ELEMENT DESCRIPTION:

Code assigned by the Laboratory to indicate other-than-usual analytical conditions or results.

ACCEPTABLE CRITERIA:

NOTE:

Flagging Codes marked with * were changed effective 1 February 1993! Flagging Codes marked with ** were changed effective with the introduction of Version 5.2 of the IRDMIS Data Entry and Validation Subsystem (PC IRDMIS) software!

- Analyte found in trip blank as well as in field samples. The analyte was detected in the field sample and the trip blank for the same cooler. To be used for volatiles only.
- Analyte found in the method blank or QC blank as well as the sample. This Code is to В be used when an analyte was detected and quantitated at higher-than-normal background levels. For metals in soil, the following rules must be followed:
 - If the analyte is detected in the method blank, both the field and QC samples are to be flagged.
 - If the analyte is detected in the QC blank, only (2) the QC samples are to be flagged.
- C Analysis was confirmed. This Code is to be used when a confirmation analysis bears out the reported result (if it is above the CRL or MDL). The confirmation analysis must use a different column or analytical technique.
- D Duplicate analysis. This Code is used to distinguish analytical results when duplicate analyses are required. Flag only the second (duplicate) sample.

- E No longer in use.
- Sample filtered prior to analysis. This Code is to be used when results of filtered samples are to be differentiated from non-filtered samples. This Code is also to be used when filtering of samples (as a first step in the sample preparation) is a deviation from the approved method SOP. This Code may be used to indicate both field and laboratory filtering. It is not to be used when filtering the extract is the normal procedure.
- Analyte found in rinse blank as well as field sample. The analyte was detected in the field sample as well as that day's rinse blank for the same equipment type.
- ** H No longer in use after introduction of Version 5.2 of PC IRDMIS.
- * I Interferences in sample cause the quantitation and/or identification to be suspect. This Code is to be used when matrix interferences may mask detection of the target analyte. Must always be used with Flagging Code J.
- * ** J Value is estimated because of one of the following conditions:

Interferences in the sample (use Flagging Codes J and I)

or

The value is below the method detection level but above the instrumental detection level (use Flagging Codes J and P)

OI

The value is above the upper reporting level of the method (use Flagging Codes J and X).

This Code must always be used with Flagging Code I, P, or X. Both the J and I and the J and X combinations may be used both for methods demonstrated under the 1990 QA Program and for methods validated under the 1993 QA Guidelines. The J and P combination is only to be used for methods validated under the 1993 QA Guidelines.

- Reported results affected by interferences or high background. This Code is to be used when analyte levels at or near the CRL or MDL cannot be accurately quantified down to the CRL/MDL due to interferences. This Code will allow a laboratory to input a higher CRL/MDL, rather than defaulting to the Methods data base. (Formerly Flagging Code G)
- * ** L No longer in use after introduction of Version 5.2 of PC IRDMIS.
- ** M No longer in use after introduction of Version 5.2 of PC IRDMIS.
- * N Tentatively identified compound (result of a GC/MS library search) with a match greater than 70%. To be used when specified in the contract/task order.

- * O No longer in use.
- Value is less than the method reporting level but greater than the instrumental detection limit. This Code must always be used with J. This Code is only to be used for methods validated under the 1993 QA Guidelines.
- * Q Confirmatory analysis was performed; however, sample interference obscured the area where the peak of interest would have appeared. To be used when the peak of interest fell within the retention-time window on the primary column, but the retention-time window on the secondary column was masked by interferences.
 - R Non-target compound analyzed for but not detected (must be used with a Boolean of ND). This Code is used only for those analytes (in GC/MS methods) which were not performance demonstrated or validated. To be used when specified in the contract/task order.
 - Non-target compound analyzed for and detected. This Code is used only for those analytes (in GC/MS methods) which were not performance demonstrated or validated. Also used to report tentatively identified compounds which are quantitated against an internal standard. To be used when specified in the contract/task order.
 - Non-target compound analyzed for but not detected (must be used with a Boolean of ND). This Code is used only for those analytes (in non-GC/MS methods) which were not performance demonstrated or validated.
 - U Analysis is unconfirmed. This Code is to be used when a confirmatory analysis was performed but does not verify the analytical results from the initial analysis.
 - V Sample was subjected to unusual storage/preservation condition. To be used when samples are received at the laboratory at greater than 4° C, or were not correctly preserved in the field.
 - W Single analyte required from a multi-analyte method. This Code is to be used when field samples are to be analyzed for a subset of the demonstrated/validated analytes.
- Analyte concentration is above the upper reporting level. This Flagging Code is to be used when analyte concentrations exceed the upper reporting level and the laboratory feels that additional dilutions are not warranted. This Code is also to be used when no sample or extract remains to make additional dilutions. It must also be used whenever a Boolean of GT is used.
- Y Tentatively identified compound (result of a GC/MS library search) with a match of less than 70%, but peak area is greater than 35% of the internal standard. To be used when specified in the contract/task order.

- Z Non-target compound analyzed for and detected. This Code is used only for those analytes (in non-GC/MS methods) which were not performance demonstrated or
- Result less than the CRL but greater than the Criteria of Detection (COD). Can only 1 be used for methods which were performance demonstrated under the 1990 QA
- Ending calibration not within acceptable limits. This Code is to be used for an analyte 2 for which the ending calibration is still unacceptable after multiple attempts.
- 3 Internal standard(s) not within acceptable limits.
- Analyte quantitated on the secondary column, when this is not the normal practice.
- No longer in use after introduction of Version 5.2 of PC IRDMIS. 7
- Analyte recovery outside of certified range but within acceptable limits. This Flagging 8 Code is to be used when analyte recoveries exceed the upper limit of the certified range by less than 15% and the laboratory feels a dilution is not warranted. No longer in use after introduction of Version 5.2 of PC IRDMIS (formerly Flagging Code X).
- 9 Non-demonstrated/validated method performed for USAEC. This Code is to be used to identify Method 00 or NTAM data which was produced under contract to USAEC.

ACCEPTABLE ENTRIES:

- Analyte found in trip blank as well as in field samples. Α
- Analyte found in the method blank or QC blank as well as the sample. В C
- Analysis was confirmed.
- D Duplicate analysis.
- Sample filtered prior to analysis. F
- Analyte found in rinse blank as well as field sample. G I
- Interferences in sample make quantitation and/or identification to be suspect. J
- Reported results are affected by interferences or high background. K N
- Tentatively identified compound (match greater than 70%). P
- Results less than reporting level but greater than instrumental detection limit. Q
- Sample interference obscured peak of interest. R
- Non-target compound analyzed for but not detected (GC/MS methods). S
- Non-target compound analyzed for and detected (GC/MS methods). T
- Non-target compound analyzed for but not detected (non-GC/MS methods). U
- Analysis is unconfirmed.
- Sample subjected to unusual storage/preservation conditions.

80.8

Flagging Code

ACCEPTABLE ENTRIES: (CONT.)

- Single analyte required from a multi-analyte method. W
- Analyte concentration is above the upper reporting level. X
- Tentatively identified compound (match less than 70%). Y
- Non-target compound analyzed for and detected (non-GC/MS methods). Z
- Result less than CRL but greater than COD. 1
- Ending calibration not within acceptable limits.
- Internal standard(s) not within acceptable limits. 3
- Analyte quantitated on the secondary column. 4
- Non-demonstrated/validated method performed for USAEC. 9

ELEMENT IS USED IN THE FOLLOWING IR RECORDS AND DATA BASE TABLES:

IRDMIS R	cord	IRDMIS D	
Record Type	Coksan(s)	DB Table(s)	DB Column
•	140	chem/cqc	
	141	•	dets_quels
	142	•	
	143		
	144		
	145		
	146		
	147		
	J a	leg_quale_desc	1_q_code

Any valid chemical or radiological record type

ELEMENT SIZE AND CHARACTERISTICS:

IRDMIS Record:

1 upper-case alphabetical character, full field (as many as 8 per record) chem/cqc:

IRDMIS Data Base:

as many as 8 Data Qualifiers per record

flag_quais desc:

1 Data Qualifier per record

ELEMENT DESCRIPTION:

Code assigned only by the USAEC Chemist to indicate data acceptance or rejection based on other-than-usual analytical conditions or results.

ACCEPTABLE CRITERIA:

- Control chart either not received or not yet approved by USAEC. This Qualifier is ? automatically set when a lot file has been loaded but the corresponding control chart has not been approved.
- The low-spike recovery is high. To be used for the single low spike in Class 1 I methods and the duplicate low spikes in Class 1P.
- The low-spike recovery is low. To be used for the single low spike in Class 1 methods J and the duplicate low spikes in Class 1P.
- Missed holding times for extraction and preparation (Hold Time 1). This Qualifier is K automatically set when the extraction/preparation holding time is exceeded. (Formerly Flagging Code K)
- Missed holding time for sample analysis (Hold Time or Hold Time 2). This Qualifier L is automatically set when the analytical holding time is exceeded. (Formerly Flagging Code L)
- The high-spike recovery is high. To be used for the duplicate high spikes in Class 1 M and 1P methods. Also to be used for the single spike in Class 1A and 1B methods and for the duplicate spikes in Class 1M methods.

- The high-spike recovery is low. To be used for the duplicate high spikes in Class 1 N and 1P methods. Also to be used for the single spike in Class 1A and 1B methods and for the duplicate spikes in Class 1M methods.
- 0 Low spike recoveries excessively different. To be used only for the duplicate low spikes in Class 1P methods.
- High spike recoveries excessively different. To be used for the duplicate high spikes in P Class 1 and 1P methods. Also to be used for the duplicate spikes in Class 1M methods.
- Surrogate(s) in field sample outside of acceptable limits as specified by EPA CLP. To Q be followed by number of surrogates failing criteria (1 - 9). To be used only for field samples. (Formerly Flagging Code Q)
- R Data is rejected and is not usable.

ACCEPTABLE ENTRIES:

- Control chart not yet approved by USAEC.
- Number of surrogates failing EPA CLP criteria (used with Data Qualifier Q) 1-9
- I The low-spike recovery is high.
- J The low-spike recovery is low.
- Missed holding time for extraction and preparation. K
- Missed holding time for sample analysis. L
- M The high-spike recovery is high.
- N The high-spike recovery is low.
- Low spike recoveries excessively different. 0
- High spike recoveries excessively different. P
- Surrogate recovery outside of acceptable CLP limits (field samples only). Q
- R Data is rejected.

		1
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		1

QC SAMPLE RESULTS FROM IRDMIS

Table: Appendix K

METHOD BLANKS (SOIL)

GRO GRO GRAB 25-NOV-96 09-DEC-96 1.12 GRO GRO GRAB 22-NOV-96 22-NOV-96 < .5 GRI	Contractor Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	v	Value Unit
GRO GRO GRAB 22-NOV-96 22-NOV-96 5 GSE1 SE SSDQ 16-DEC-96 17-DEC-96 5 GTL1 TL TSDQ 16-DEC-96 17-DEC-96 2 HGC1 HG HSDH 11-DEC-96 17-DEC-96 2 LGM1 AS WSCK 13-DEC-96 19-DEC-96 2 CD WSCK 13-DEC-96 19-DEC-96 2 CD WSCK 13-DEC-96 19-DEC-96 2 CD WSCK 13-DEC-96 19-DEC-96 2 AL ISCV 23-DEC-96 22-DEC-96 4 430 CA ISCV 23-DEC-96 22-DEC-96 4 1000 CA ISCV 23-DEC-96 22-DEC-96 24-DEC-96 1000 CA ISCV 23-DEC-96 22-DEC-96 24-DEC-96 1000 CA ISCV 23-DEC-96 22-DEC-96 24-DEC-96 1000 CA ISCV 23-DEC-96 22-DEC-96 24-DEC-96 1000 CA ISCV 23-DEC-96 24-DEC-96 24-DEC-96 1000 CA ISCV 23-DEC-96 24-DEC-96 24-DEC-96 1000 CA ISCV 23-DEC-96 24-DEC-96 24-DEC	ABB-ES	DRO	DRO	DRAB		09-DEC-96		
GRO GRAB 22-NOV-96 Z2-NOV-96 5 GSE1 SE SSDQ 16-DEC-96 17-DEC-96 1 GTL1 TL TSDQ 16-DEC-96 17-DEC-96 2 HGC1 HG HSDH 11-DEC-96 11-DEC-96 2 ICM1 AS WSCK 13-DEC-96 19-DEC-96 2 BE WSCK 13-DEC-96 19-DEC-96 2 SB WSCK 13-DEC-96 19-DEC-96 2 ICM1 AL ISCV 23-DEC-96 2-DEC-96 2 AL ISCV 23-DEC-96 2-DEC-96 440 AL ISCV 23-DEC-96 2-DEC-96 440 BA ISCV 23-DEC-96 2-DEC-96 440 BA ISCV 23-DEC-96 2-DEC-96 440 BA ISCV 23-DEC-96 2-DEC-96 440 BA ISCV 23-DEC-96 2-DEC-96 440 CA ISCV 23-DEC-96 2-DEC-96 44	ABB-ES	GPB1	88	PSDQ		17-DEC-96		1.12 UGG
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GTL1	1BB-ES	GSE1	SE	SSDQ	16-DEC-96	17-DEC-96	v	
HGC1 HG HSDH 11-DEC-96 11-DEC-96 1	BB-ES	GTL1	7	TSDQ	16-DEC-96	17-DEC-96	v	
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1CP1 AG 1SCV 23-DEC-96 26-DEC-96 628 AL 1SCV 23-DEC-96 26-DEC-96 613 AL 1SCV 23-DEC-96 26-DEC-96 613 AL 1SCV 23-DEC-96 26-DEC-96 643 BA 1SCV 23-DEC-96 26-DEC-96 40 CA 1SCV 23-DEC-96 26-DEC-96 4000 CA 1SCV 23-DEC-96 40000 CA 1SCV 23-DEC-96 400000 CA 1SCV 23-DEC-96 400000 CA 1SCV 23-DEC-96 4000000 CA 1SCV 23-DEC-96 4000000000000000000000000000000000000	88-ES		88	MSCK	13-DEC-96	19-DEC-96	v	_
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FE ISCV 23-DEC-96 26-DEC-96 1050	88-ES		出	ISC	23-DEC-96	26-DEC-96		
	88-ES		Æ	ISCV	23-DEC-96	26-DEC-96		_

Table: Appendix K
METHOD BLANKS (SOIL)

Contractor Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	•	Value	ž.
ABB-ES	1071	Æ	ISCV	23-050-96	26-DEC-96		1030	9
ABB-ES		E.	ISCV	23-DEC-96			100 K	3 9
AB-Ce		⊻ :	180	23-DEC-96	28-DEC-38	v	9	990
ABB-ES		~ :	<u>1</u> 8℃	23-060-96	26-DEC-96	v	000	99
ABB-EC		∵ :	<u></u>	23-DEC-96	28-DEC-96	·	8	99
ABB-FC		∠ ¦	<u>S</u>	23-DEC-%	28-DEC-96 ·	v	9	99
ABR-FS		9	SC	23-060-98	28-DEC-98	v	9	2
ABB-FC			ည်	23-060-98	26-DEC-96		9	3
ABR-FC			<u>ა</u>	23-060-98	38-DEC-38		9	3
A88-FS			200	23-DEC-98	28-DEC-98		<u>6</u>	8
ARR-FC		E	וצכ	23-DEC-98	28-DEC-98		74.5	25
ABB-FC		E :		23-DEC-98	28-DEC-98		25.7	99
788 -EC		E:	200	23-DEC-98	28-DEC-98		7	3
ABB-ES		:	<u>ვ</u>	23-DEC-96	28-DEC-98		22.2	2
ADB-EC		≨:	ე 2	23-DEC-96	32-DEC-98 •		8	25
ABB-ES		≨:	<u>ვ</u> ვ	23-DEC-98	38-DEC-58		1000	2
20 T 20 T 20 T 20 T 20 T 20 T 20 T 20 T		≨:	<u>S</u>	23-050-98	28-DEC-98 <		000	9
ABBITC		≨:	<u>S</u>	23-DEC-96	28-DEC-98 <		000	9
21-22- 21-22-21-22-21-22-21-22-21-22-21-22-21-22-21-22-21-22-21-22-21-22-21-22-21-22-21-22-21-22-21-22-21-22-21-22-2		=	<u>S</u>	23-050-98	28-DEC-98 <			9
ABB-IIC		> 1		23-DEC-96	28-DEC-98		9	25
		ZN	SC	23-DEC-9%	28-DEC-96 <		*	දු
MBB-ES		12001		3				
A88-ES			200	?	10-DEC-96 <			8
A88-ES		12051		? :	16-DEC-96 <			8
SB-ES		3001		8	16-DEC-96 <			ខ
WBB-ES		13051		8	16-DEC-96 <			g
Lan-Ec		2421CP		% 6 -8	16-DEC-96 <			છુ
51.00		245TCP		8-8	16-DEC-98 <			g
23-801 23-801		246TCP		&-8 6-8	16-DEC-96 <			3 8
21-00-		2461CP		8-8	16-DEC-96 <			8 8
21-00h		240CLP		8-30	16-DEC-96 <			8
23-89 39-89		24DCLP			16-DEC-96 <			3 8
53-891 53-891		S4DMPN		8-8	16-DEC-96 <			ខ្ល
21.00 21.00		24DMPN		8-8	16-DEC-96 <			: 5
22-22		S4DNP		8-8	16-DEC-96 <		; æ.	33

Table: Appendix K METHOD BLANKS (SOIL)

Contractor Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date <	Value	_
ABB-ES	SMV2	24DNP	BSBS	25-NDV-96	16-DEC-96 <		1001
ABB-ES		26DNT	BSBS		16-DEC-96 <	. Y.	_
ABB-ES		26DNT	BSBS		16-DEC-96 <	i iv	_
ABB-ES		SCNAP	BSBS	25-NOV-96	16-DEC-96 <	M	_
ABB-ES		2CNAP		25-NOV-96	16-DEC-96 <	i iv	
ABB-ES		ZMNAP		25-NOV-96	16-DEC-96 <	M	
ABB-ES		ZMNAP		25-NOV-96	16-DEC-96 <	.33	_
ABB-ES		SE SE	BSBS	25-NOV-96	16-DEC-96 <	'n	_
ABB-ES		2MP	BSBS	25-NOV-96	16-DEC-96 <	ĸ.	_
ABB-ES		2NANIL	BSBS	25-NOV-96	16-DEC-96 <	φ.	_
ABB-ES		2NAN1L	BSBS	25-NOV-96	16-DEC-96 <	Φ.	_
ABB-ES		ZND	BSBS	25-NOV-96	16-DEC-96 <	.33	_
ABB-ES		SN S	BSBS	25-NOV-96	16-DEC-96 <	.33	_
ABB-ES		330CBD	BSBS	25-NOV-96	16-DEC-96 <	€.	_
ABB-ES		330CB0	BSBS	25-NOV-96	16-DEC-96 <	ω.	
ABB-ES		SNANIL	BSBS	25-NOV-96	16-DEC-96 <	ω.	
ABB-ES		SNANIL	BSBS	10 4-98	16-DEC-96 <	Ψ.	990 ≅
ABB-ES		46DN2C	BSBS		16-DEC-96 <	•	990
ABB-ES		46DN2C	BSBS		16-DEC-96 <		99
ABB-ES		4BRPPE	BSBS		16-DEC-96 <	ĸ.	990
ABB-ES		48RPPE	BSBS		16-DEC-96 <		
ABB-ES		4CANIL	BSBS	90-70	16-DEC-96 <	.33	
ABB-ES		4CANIL			16-DEC-96 <		
A68-E3		4CLPPE		25-NOV-96	16-DEC-96 <	.33	
ADD-ES		4CLPPE		25-NOV-96	16-DEC-96 <	 	
A50-E3		dwt.	BSBS	25-NOV-96	16-DEC-96 <	.33	
A68-C3		dwt.		25-NOV-96	16-DEC-96 <	ж.	
ABB-ES		4NAN1L		25-NOV-96	16-DEC-96 <	₩.	
ABB-ES		4NAN1L		25-NOV-96	16-DEC-96 <	ω.	
ABB-ES		ANAPYL		25-NOV-96	16-DEC-96 <	33	
ABB-ES		ANAPYL		55-NOV-55	16-DEC-96 <	33	
ABB-ES		ANTRC		25-NOV-96	16-DEC-96 <	.33	
ABB-ES		ANTRC		. 96-NON-52	16-DEC-96 <	.33	990
ABB-ES		B2CEXM	•	. 96-NON-SZ	16-DEC-96 <	.33	
ABB-ES		B2CEXM	BSBS	25-NOV-96	16-DEC-96 <	.33	ngg N

Table: Appendix K

METHOD BLANKS (SOIL)

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:
B2CIPE BSBS
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BANTR BSBS
NANTR BSBS
BAPYR
<u>-</u>
882B dZ88
BGHIPY B
(FANT BSBS
CHKY BSBS
SBSB CD
DBAHA
ZFUR BSBS
DEP
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Table: Appendix K

METHOD BLANKS (SOIL)

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17	value	.33	.33	.33	z.	'n.	.33	.33	.33	.33	.33	.33						33							7	~	-	-		8		7.		-2	4.	٤.
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Analysis	Date	16-DEC-96	16-DEC-96	16-DEC-96	16-DEC-96	16-DEC-96	16-DEC-96	16-DEC-96	16-DEC-96	16-DEC-96	16-DEC-96	16-DEC-96	16-DEC-96	16-DEC-96	16-DEC-96	16-DEC-96	16-DEC-96	16-DEC-96	16-DEC-96	16-DEC-96	16-DEC-96	•	•		•		•	16-DEC-96	16-DEC-96	16-DEC-96	16-DEC-96	16-DEC-96	16-DEC-96	16-DEC-96	16-DEC-96	16-DEC-96
Prep	nate		•			• •		-			-		Ŕ		Ŕ	Ŕ	ģ									25-NOV-96		ž	<u>5</u>	ž	2	3	ž	2	쏬	-
-	<u> </u>	BSBS	8SBS	BSBS	BSBS	BSBS	BSBS	BSBS	BSBS	BSBS	BSBS	BSBS	BSBS	BSBS	BSBS	BSBS	BSBS	BSBS	BSBS																	
Test		DMD	DNBP	DNBP	DNO	DNO	FANT	FANT	FLRENE	FLRENE	HCBO	HC80	ICDPYR	ICDPYR	ISOPHR	1 SOPHR	NAP	NAP	9	8	NNDPA	NNDPA	PHANTR	PHANTR	UNK539	UNK239	UNK606	UNK606	UNK614	UNK614	UNK615	UNK615	UNK623	UNK623	UNK623	UNK623
Method	. בפק	SMV2																																		
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Contract	משונו שניני	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES																			

Table: Appendix K METHOD BLANKS (SOIL)

Contractor Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date <	Value Unit
ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	S#V2	UNK630 UNK630 UNK632 UNK637 UNK637	8585 8585 8585 8585 8585 8585	25-NOV-86 25-NOV-86 25-NOV-86 25-NOV-86 25-NOV-86	16-DEC-% 16-DEC-% 16-DEC-% 16-DEC-%	.1 UGG .07 UGG .07 UGG .9 UGG
NB-ES NB-ES	DRO	DRO DRO	DRAC	25-NOV-96 09-DEC-96	26-NOV-96 < 10-DEC-96 <	
188-ES	CPB1	2 2	PADE	10-DEC-96 11-DEC-96	10-DEC-96 11-DEC-96 < 11-DEC-96 12-DEC-96 <	190 190 190 190 190 190 190 190 190 190
188-ES	GRO	680 680 680	GRAC	21-NOV-96 06-DEC-96	21-NOV-96 < 06-DEC-96 <	10 טפר 10 טבר
ABB-ES	GSE1	% %	SADG	10-DEC-96 11-DEC-96	10-DEC-96 11-DEC-96 < 11-DEC-96 12-DEC-96 <	5 vet 5 vet
ABB-ES	GTL1	22	146F 146G	10-DEC-96 11-DEC-96	11-DEC-96 < 12-DEC-96 <	10 UGL 10 UGL
LBB-ES	HGC1	22	₹ ₹ ₹	99-DEC-96	10-DEC-96 < 10-DEC-96 <	.2 UGL .2 UGL
A88-ES A88-ES A88-ES A88-ES A88-ES A88-ES	191	88888888888888888888888888888888888888	WASIL WASIL WASIL WASIL WASIL WASIL	11-0EC-8 11-0EC-8 11-0EC-8 11-0EC-8 11-0EC-8	7-06C-8 < 17-06C-8 < 1	22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
ABB-ES ABB-ES	1CP2	AG AG	Z Z Z	10-DEC-96 11-DEC-96	12-DEC-96 < 12-DEC-96 <	10 UGL 10 UGL

Table: Appendix K

METHOD BLANKS (WATER)

1000 to 1000	Tect		Drow	Amelicaio				
Code	Name	Fo	Date	Date	v	Value	Unit	
		:						
1CP2	٩Ļ	1ADK	10-DEC-96	12-DEC-96	~	200	2	
	AL	IADI	11-DFC-96			200	<u> </u>	
	BA	IADK	10-DEC-96		· •		3 5	
	BA	IADL	11-DEC-96				3 5	
	5	ADK	10-DEC-96		, v		d =	
	5	IA I	11-DEC-96				d =	
	8	Ş	10-DEC-96				d =	
	8	<u> </u>	11-DEC-96	12-DEC-96	•		15	
	క	IADK	10-DEC-96	12-DEC-96	v		널	
	క	М	11-DEC-96	12-DEC-96	~		멸	
	3	ğ	10-DEC-96	12-DEC-96	~	ະວ	걸	
	3	IADL	11-DEC-96	12-DEC-96	~		15	
	딴	ğ	10-DEC-96	12-DEC-96	~		3	
	Æ	ğ	11-DEC-96	12-DEC-96	~		걸	
	¥	Z	10-DEC-96	12-DEC-96	~		2	
	¥	IAD	11-DEC-96	12-DEC-96	•		뎔	
	Æ	Z	10-DEC-96	12-DEC-96	~		털	
	S.	BP	11-DEC-96	12-DEC-96	v		ם	
	¥	Ιğ	10-DEC-96	12-DEC-96	~		펄	
	¥	IADL	11-DEC-96	12-DEC-96	~		ם	
	XA A	Ž	10-DEC-96	12-DEC-96	~		덛	
	¥	ĪФ	11-DEC-96	12-DEC-96	~		9	
	Z	Ιδ	10-DEC-96	12-DEC-96	~		is	
	ï	Ĭ	11-DEC-96	12-DEC-96	~		털	
	>	ΙĄ	10-DEC-96	12-DEC-96	~		2	
	>	절	11-DEC-96	12-DEC-96	~		2	
	ZN	ğ	10-DEC-96	12-DEC-96	~		2	
	NZ.	IAD.	11-DEC-96	12-DEC-96	v		벌	
SMV1	120CL B		71-NOV-06	27-MOW-04			Š	
:	120CL B	RAFA	21-NOV-95	27-MUV-06	, .		₹ <u>5</u>	
	120C! B	RAFR	10-hFr-06	18-DEC-06	, ,		₹ <u>5</u>	
	120CLB	BAEB (09-DEC-96	18-DEC-96 -	, ,		į <u>.</u>	
	130CLB	BAEA	21-NOV-96	27-NOV-96	v		育	
	130CLB		21-NOV-96	27-NOV-96	v		덛	
i e e e e e e e e e e e e e e e e e e e	Method Code 1CP2	B 0	Test A Name Lot AL 1100 BA 1100 BA 1100 CA	Test Prep Prep Name Lot Date Date Name Lot Date Date Name Lot Date Name Lot Date Name Lot Date Name Lot Date Name Lot Date Name Lot Name L	Name	Name	Name	Name

Table: Appendix K METHOD BLANKS (WATER)

Contractor Method Description	IRDMIS Method Code	Test	ļo t	Prep Date	Analysis Date	•	Value	Ë
ABB-ES	SHV1	130CLB		09-DEC-96	18-DEC-96		:=	
A88-ES		130CLB	BAEB	99-DEC-96	18-DEC-96		2	털
A88-ES		245TCP		21-NOV-96	27-NOV-96	•	X	널
A68-ES		245TCP		21-NOV-96	27-NOV-96	•	X	녈
A88-ES		245TCP		99-DEC-96	18-DEC-96	~	K	퍨
AB-ES		245TCP		99-DEC-98	18-DEC-96	~	K	9
ABB-ES		246TCP	BAEA	21-NOV-96	27-NOV-96	~	2	.
ABB-ES		246TCP	BAEA	21-NOV-96	27-NOV-96	~	2	5
ABB-ES		246TCP	BAEB	260-98	18-DEC-96	•	2	1
ABB-ES		246TCP	BAEB	99-DEC-96	18-DEC-96	~	2	2
A66-E3		240CLP		21-NOV-96	27-NOV-96	•	2	덕
ABB - ES		240CLP	BAEA	21-NOV-96	27-NOV-96	~	10	2
ABB-ES		240CLP	BAEB	96-DEC-96	18-DEC-96	~	2	널
ABB-ES		24DCLP	BAEB	99-DEC-96	18-DEC-96	~	9	폌
ABB-ES		24DMPN	BAEA	21-HOV-96	27-NOV-96	~	2	뎔
ABB-ES		24DMPN	BAEA	21-NOV-96	27-NOV-96	~	2	2
A88-ES		24DMPN	BAEB	99-DEC-96	18-DEC-96	~	2	.
ABB-ES		S4DMPN	BAEB	96-080-60	18-DEC-96	•	100	.
ABB-ES		24DNP	BAEA	21-NOV-96	27-NOV-96		X	į <u>s</u>
ABB-ES		24DNP	BAEA	21-NOV-96	27-NOV-98	~	X	.
ABB-ES		240NP	BAEB	99-DEC-98	18-DEC-96		×	2
AGB-ES		24DNP	BAEB	99-DEC-96	18-DEC-96		X	į 2
ABB-ES		260NT	BAEA	21-NOV-96	27-NOV-96	v	2	; ; ;
ABB - ES		260NT	BAEA	21-NOV-96	27-NOV-96	v	2	멸
768-ES		260NT	BAEB	99-DEC-98	18-DEC-96 ·	v	101	ø
A88-ES		260NT	BAEB	29-DEC-96	18-DEC-96 ·	v	101	<u> </u>
768-ES		2CMP		21-104-96	27-NOV-96	v	101	3
AGB-ES		SCIMP		21-NOV-96	27-NOV-96	·	=	2
ABB-ES		2CIVAP	BAEB	39-DEC-96	18-DFC-96		<u></u>	i
ABB-ES		2CMAP		00-DEC-94	18-DEC-96		2 5	d 2
ABB -ES		ZHIAP		21-MOV-96	22-82-8		2 5	d 2
ABB-ES		SHAP		21-MOV-95	24-94-74		2 =	f 2
ABB-ES		SWAP		2-DEC-9	18-5FC-96		2	5 2
ABB-ES		ZMAP		DEC-98	18-DFC-96		2 5	5 2
A88-ES		200		21-104-98	72-IIOV-95		2 5	5 2
					! !		;	5

Table: Appendix K

METHOD BLANKS (WATER)

Analysis Date < Value Unit	27-NOV-96 < 10	18-DEC-96 < 10	18-DEC-96 < 10	27-NDV-96 < 25	27-NOV-96 <	18-DEC-06 /	18-DEC-96 < 25	18-DEC-96 < 25	27-NOV-96 < 10	27-NOV-96 < 10	18-DEC-96 < 10	18-DEC-96 < 10	27-NOV-96 < 10	27-NOV-96 < 10	18-DEC-96 < 10	18-DEC-96 < 10	27-NOV-96 < 25	27-NOV-96 < 25	18-DEC-96 < 25	18-DEC-96 < 25	27-NOV-96 < 25	27-NOV-96 < 25	18-DEC-96 < 25	18-DEC-96 < 25	27-NOV-96 < 10	27-NOV-96 < 10	18-DEC-96 < 10	18-DEC-96 < 10	27-NOV-96 < 10	27-NOV-96 < 10	18-DEC-96 < 10	18-DEC-96 < 10	-96 27-NOV-96 < 10 UGL	27-VION-76
Prep Lot Date	BAEA 21-NOV-96		BAEB 09-DEC-1	BAEA 21-NOV-			SAEB UY-DEC-	3AEB 09-DEC-		BAEA 21-NOV-	BAEB 09-DEC-96	3AEB 09-DEC-96	3AEA 21-NOV-96	3AEA 21-NOV-	BAEB 09-DEC-			BAEA 21-NOV-96	-	BAEB 09-DEC-96	BAEA 21-NOV-96	BAEA 21-NOV-9	BAEB 09-DEC-9	BAEB 09-DEC-96	BAEA 21-NOV-9	3AEA 21-NOV-9		BAEB 09-DEC-96					_	DAFA 34 MON
Test Name	2			=							2NP E																					4CANIL B	_	LCC .
IRDMIS Method Code	 SMV1																																	
tractor Method Description	-ES	E S	ES	ES	ES		S L	ES	-ES	ES	ES	ES	ES	ES	ES	-ES	ES	ES	S	ES	ES	ES	S	Si	ES	-ES	U							

Table: Appendix K

METHOD BLANKS (MATER)

	IRDMIS								
tractor Method Description	H ethod Code	Test Kane	Lot	Pre Date	Amalysis Date	_	Value	S	
-ES	SW1	3	RAFA	21-MOV-04	27-W04-04				
ĒŠ	:	3		24-52-52-52-52-52-52-52-52-52-52-52-52-52-	ż		2 \$	3 5	
ËS		\$		8-DEC-80	18-0-694	, .	2	3 2	
-ES		‡		9-DEC-96	18-DEC-94		2 \$	3 2	
ES		4NAHII		2-101-12	27-F2-05	, ,	≥×	3 2	
ë		4WANTL	MEA	2-F2-58	22-22	, .	3 %	3 2	
ĒS		CHANGE.		10-PEC-92	18-rer-94	, .	3 ×	3 5	
ĖS		TIME!		8 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	18-PEC-94		QX	3 2	
irs		AKAPYL	Ž	22-12-25	2.5		35	3 5	
ES		AWAPYL		21-107-8	27-EQ82		2 \$	4 2	
.		AWAPYL	3	8-DEC-98	18-DEC-96			į <u>e</u>	
		AKAPYL		99-DEC-96	18-DEC-98			{ z	
S I		ANTRC		21-104-98	27-MOV-98		25	į 2	
in S		ANTRC		21-104-98	27-104-52		2	₹ 2	
, ins		ANTRC	3	96-DEC-96	18-DEC-96		2 5	∮ 2	
		ANTRC	Z	99-PEC-96	18-DEC-96		9	{ z	
į		B2CEXON	K	21-104-98	27-NOV-96			12	
, in contract of the contract		BZCEXM	Z	21-HOV-96	27-101-96	•	9	2	
in S		BSCEDO	3	20-DEC-96	18-DEC-96			2	
i ii		B2CEX	3	20-DEC-98	18-DEC-96		2	2	
i ii		B2CIPE	REA	21-HOV-96	27-1104-96				
in i		B2C1PE	PAES	21-HOV-96	27-101-52				
Š		R2CIPE	3	20-DEC-28	18-DEC-96		101	2	
ž.		BSCIPE	3	39-DEC-96	18-DEC-96			2	
ָ װָ		BZCLEE	KE	21-104-96	27-MOV-98		10	2	
Ë		BZCLEE	MEA	21-MOV-96	27-HDV-98			클	
, in the second		82CLEE		39-DEC-98	18-DEC-96 A		100	<u> </u>	
i s		BZCLEE		29-DEC-98	18-DEC-96			2	
W i		BZEHP		21-HOV-96	27-MOV-98			f 2	
S. C.		BZENP		24-8-12	27-MOV-96			1 2	
		BZEHP		29-DEC-96	18-DEC-96 <			1 2	
i i		BZENP		79-DEC-96	18-DEC-96 <			i d	
		BAMTR		21-MOV-96	27-HOV-96		100	ಠ	
יו יי		BANTR	Z Z	8	27-MOV-96 <			2	
۵		BAANTR	_	ģ	18-DEC-96 <			명	

Table: Appendix K METHOD BLANKS (WATER)

Contractor Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	•	Value	Unit
	SMV1	RAAWTD	DACD	00-000	10 010	:		
		RADVD	DATE	21-NOV-04	27-NOV-04	,	2 €	털:
ABB-ES		BAPYR	RAFA	21-NOV-96	•••	· \	2 \$	3 5
ABB-ES		BADVD		00-100-00	10 PTG 97	, ,	2 \$	3
ABB-ES		27.000		09-DEC-90	18-DEC-96	v	2	널
ARR-EC		BAFTR		UY-DEC-96	18-DEC-96	v	9	펄
ADD LS		BBLANT		21-NOV-96	27-NOV-96	~	e	폌
ADD		BBFANT		21-NOV-96	27-NOV-96	•	9	ם
ABD-E3		BBFANT	BAEB		18-DEC-96	v	9	멸
ABB-ES		BBFANT	BAEB		18-DEC-96	~	9	펄
ABB-ES		88ZP	BAEA		27-NOV-96	~	5	펅
ADD CS		88ZP	BAEA		27-NOV-96	~	9	3
ABB-ES		88ZP	BAEB		18-DEC-96	~	9	멸
ABB-ES		882P	BAEB		18-DEC-96	~	9	i S
ABB-ES		BGHIPY	BAEA		27-NOV-96	~	2	15
ABB-ES		BGHIPY	BAEA	21-NOV-96	27-NOV-96	~	2	15
ABB-ES		BGHIPY		96-DEC-96	18-DEC-96	~	9	15
ABB-ES		BGHIPY		96-DEC-60	18-DEC-96	~	9	150
ABB - ES		BKFANT		21-NOV-96	27-NOV-96	~	9	195
A88-ES		BKFANT		21-NOV-96 ;	27-NOV-96	~	Ç	l S
ABB-ES				39-DEC-96	18-DEC-96	~	2	125
ABB-ES				96-DEC-96	18-DEC-96	~	2	널
ABB -ES				21-NOV-96	27-NOV-96	~	2	널
ABB-ES				21-NOV-96	27-NOV-96	~	5	뒴
ABB-ES				96-DEC-96	18-DEC-96	v	2	폌
ADD-ES		2	BAEB (18-DEC-96	~	5	털
ADD-ES			-		27-NOV-96	v	5	펄
ABB-ES					27-NOV-96	v	5	덜
ABB-ES			_		18-DEC-96	v	10	널
A68-ES			_	•	18-DEC-96	v	10	둳
A66-E3					27-NOV-96	v	9	프
ABB-ES				•••	27-NOV-96		10	덛
A88-ES			_	•	18-DEC-96	v	10.	폏
ABB-ES		C1.682	_		18-DEC-96 ·	v	9	15
A88-E3		_	_		27-NOV-96	v	2	널
ABB-ES		CL6CP I	BAEA 2	21-NOV-96 2	27-NOV-96	v	5	15

Table: Appendix K

METHOD BLANKS (WATER)

Contractor Method Description	IRDMIS Method Code	Test	Lot	Pre Date	Analysis Date	•	Value	Ę
A88-ES	SHV1	CL6CP		96-DEC-96	18-DEC-96		5	2
A88-ES		C 60		%-080-60	18-DEC-96	•	9	ğ
A00-E3		CLŒT		21-NOV-96	27-NOV-96	•	9	9
A68-E5		CL 6ET		21-MOV-96	27-HOV-96	•	5	2
A66-E5		CLEET		96-DEC-96	18-DEC-96	~	2	9
		CL 6ET		96-DEC-96	18-DEC-96	•	2	3
		DBAIA		21-NOV-96	27-1104-98	•	2	2
A86-ES		DBAHA		21-104-96	27-NOV-96	~	2	2
		DBAM		99-DEC-96	18-DEC-98	~	9	3
ABB-ES				99-DEC-98	18-DEC-98	~	2	2
A66-E5		DBZFUR	Z	21-MOV-96	27-104-98	•	2	2
A68-E5		DBZFUR	MEA	21-NOV-96	27-NON-96	~	10	2
768-ES		DEZFUR	REB	99-DEC-96	18-DEC-96	v	2	2
766-ES		DEZFUR		96-DEC-96	18-DEC-96	•	2	퍨
768-ES			Z		27-MON-75	•	9	ğ
A68-E5			MEA	21-HDV-96	27-NON-96	•	9	ē
A66-E5			Bee	96-DEC-96	18-DEC-96	~	2	2
ABB-ES		DEP	BAEB	96-030-60	18-DEC-96	•	0	2
766-ES			REA	21-NOV-96	27-HOV-96	~	9	2
ABB-ES		2	BEE	21-NOV-96	27-NON-96	~	5	력
760- E3				29-DEC-38	18-DEC-96	~	100	2
A68-E5			REB	96-DEC-96	18-DEC-96	~	101	Ē
766-ES			ME	21-HOV-96	27-NOV-96	~	101	Z
768-ES			ME	21-HOV-96	27-NON-96	~	101	2
768-ES				39-DEC-96	18-DEC-96	~	5	ē
AGG-ES				39-DEC-96	18-DEC-96	•	9	2
ABB-ES			KE	21-MOV-96	27-NOV-96	•	- E	2
ABB-ES				21-NOV-96	27-MOV-96		֓֞֜֞֜֜֝֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֓֓֡֓֡֓֡֓֡֓֓֡֓֡֓	2
ABB-ES				39-DEC-96	18-DFC-96			
A68 -ES		0000		20-DEC-90	18-PEC-98		2 5	į
A88-ES		FANT		- E - E - E - E - E - E - E - E - E - E	22.22.22	, ,	2	4 3
A88 -ES		FALT	4	2-12-2	7. E	, ,	25	4 3
A88 -ES		FAMT		20.52	18-PEC-04	, ,	2;	# 1
VBB-ES		FANT	PAED	10-PET-96	10-DEC-30	, ,	2;	3
ABB -ES		FIRE		2	27-MCV-94	, ,	2	3 3
				> >	24-12	,	_	٤

Table: Appendix K METHOD BLANKS (WATER)

Contractor	Contractor Method Description	IRDMIS Method Code	Test	ţ	Prep Note	Analysis	,	<u> </u>	<u>.</u>
				3 :	200	Date		vatue	
ABB-ES		SMV1	FLRENE	BAEA	21-NOV-96	27-NOV-96	•	Ę	2
ABB-ES			FLRENE	BAEB	_	18-DEC-96		2 9	d =
ABB-ES			FLRENE	BAEB	09-DEC-96	•		2	d =
ABB-ES			HCBO	BAEA	•		· •	2 6	d =
ABB-ES			HCB0	BAEA	21-NOV-96	27-NOV-96		2	d E
ABB-ES			HCBO	BAEB	09-DEC-96	18-DEC-96		2 5	; ⊆
ABB-ES			HCBO	BAEB	09-DEC-96	18-DEC-96			d =
ABB-ES			ICOPYR	BAEA	21-NOV-96	27-NOV-96		2	d =
ABB-ES			ICOPYR	BAEA	21-NOV-96	27-NOV-96	~	2	15
ABB-ES			1CDPYR	BAEB	09-DEC-96	18-DEC-96	~	9	į
ABB-ES		•	ICDPYR.	BAEB	09-DEC-96	18-DEC-96	~	9	널
AGB-ES			ISOPHR	BAEA	21-NOV-96	27-NOV-96	~	2	덕
ABB-ES			ISOPHR	BAEA	21-NOV-96	27-NOV-96	~	2	펄
ABB-ES			ISOPHR	BAEB		18-DEC-96	~	9	널
ABB-ES			ISOPHR	BAEB	09-DEC-96		~	10	널
A88-ES			NAP	BAEA	21-NOV-96	27-NOV-96	v	10	귤
ABB-ES			NAP	BAEA	21-NOV-96	27-NOV-96	v	2	펄
ABB-ES			NAP		09-DEC-96	18-DEC-96 ·	v	9	덛
ABB-ES			NAP		09-DEC-96	18-DEC-96 ·	v	9	펄
ABB-ES			88	BAEA		27-NOV-96	v	ę	귤
A68-ES			9	BAEA		27-NOV-96 ·	v	0	פר
ABB-ES			8	BAEB		18-DEC-96 ·	v	5	덩
A68-ES			9	BAEB		18-DEC-96 •	v	10	191
ABB-ES			NNDPA		21-NOV-96	27-NOV-96 •	v	9	JG T
ABB-ES			NNDPA		21-NOV-96		.,	101	귤
ABB-ES			NNDPA		09-DEC-96	18-DEC-96 •		10	5
ABB-ES			NNDPA	BAEB	96-DEC-60		.,	101	5
ABB-ES			PHANTR		21-NOV-96	27-NOV-96	.,	=	; ;
ABB-ES			PHANTR		21-NOV-96	27-NOV-96	.,	<u>_</u>	i <u>c</u>
ABB-ES			PHANTR		09-DEC-96	18-DEC-96 <		2	10
ABB-ES			PHANTR	BAEB	09-DEC-96	18-DEC-96 <		9.6	함
ABB-ES		VMC1	111TCE	VAEU	12-PEr-04	12-050		•	3
ABB-ES			11110	7367	12-DEC-70	12-050-70		- •	<u>ن</u> و
ABB-ES			111TCE	X X	06-DEC-96	14-DEC-96 <			털달
					1 . 1 . 1) !		-	,

Table: Appendix K METHOD BLANKS (WATER)

tractor Method Description	IRDHIS Method	Test	1	Prep	Analysis		•	
	8	Reme	ž :	Date	Date	•	Value	Ę
-ES	VMS1	111TCE		06-DEC-96		: ,	•	: <u>:</u>
- L		112TCE	VAFU	12-DEC-%	12-DEC-96		-	3 5
מיני בייני		112705		12-DEC-96	•	•	-	ġ <u>2</u>
ָרָבְאַ		112TCE		06-DEC-96	•			į <u>2</u>
2		112705		06-DEC-96				3 2
-ES		10CE		12-DEC8				2
i ii		1001		12-DEC-98		, ,		4 2
1 to 1		10CE		06-DEC-98				4 5
- LES		110CE	VAFX	8-55-8	14-DEC-98	, ,		į 2
ָּהְאָלָיּהְאָלָיִיהְאָלָיִיהְאָלָיִיהְאָלָייִהְאָלִייִיהְאָלִייִיהְאָלִייִיהְאָלִייִיהְאָלִייִיהְאָלִייִיהְאָל		11DCLE	MAF	12-DEC-96	12-DEC-98			į 2
יות איני		110CLE		12-DEC-96	12-DEC-98		-	; 2
ווייי אייי		110cle		06-DEC-96	14-DEC-98		-	į 2
i i		110CLE		06-DEC-96	14-DEC-98	•	-	{ z
ង្គ		136 136		12-DEC-96	12-DEC-96		_	₹ 2
ָּהְיּאַ פּיי		1 <u>2</u> 5		12-DEC-96	12-DEC-96		_	į <u>e</u>
i.		120CE		06-DEC-96	14-DEC-96	•	_	{ <u>2</u>
ň.		120CE	VAFX	26-DEC-96	Ť		-	[교
ភូ ដ		120CLE	ME	12-DEC-96		~	_	2
កុំ		120CLE	VAF	12-DEC-96		~	_	į 2
9 6		BOLE	VAFX	26-DEC-96	14-DEC-98	~	_	2
9 6 6		120CE	VAFX	26-DEC-96		~	_	<u></u>
2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		120CL	VAF	12-DEC-98		~	=	ਰ
9 6		18C	₹	12-DEC-98		~	=	2
3 6		180°		26-DEC-98		~	=	2
2		120CL		06-DEC-96	14-DEC-98	~	_)
		ACET		12-DEC-96	12-DEC-96	~		Į
		ACET		12-DEC-96	12-DEC-98	•		ł
		ACET		26-DEC-96	14-DEC-96	•		f z
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	. %	9	-8	8	9	-98	%	-98	9	-98	-98	%	96-	96-	-98	%	-98	-96	%	%	%	8	%	%	%
Prep Date	12-DEC-96	•	_	_	-	•	_						12-DEC-96	12-DEC	06-DEC-96	06-DEC	•	12-DEC-96	\sim	96-DEC-96	12-DEC-96	12-DEC	96-DEC-96	96-DEC-96	12-DEC-96
ţ	AF.	AFU	AFX	VAFX	AFW	AFF	AFX	AFX	AFF	AFW	AFX	'AFX	AFF	AFF	'AFX	AFX	AF	AFW	AFX	AFX	AFW	AFI	AFX	AFX	AFW
Test Name				STYR																		-			-
IRDMIS Method Code	VMS1																								
Contractor Method Description																									
Contract	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES

TRIP BLANKS

_	<u> </u>
IRDMIS Site ID	TATA TATA TATA TATA TATA TATA TATA TAT
Value Unit	
U	
Analysis Date	72-56-8
Prep Date	28-28-28-28-28-28-28-28-28-28-28-28-28-2
Sample Date	;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
Lab Number	52856-06 528
IRDMIS Field Sample Number	TARP-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2
Test Name	111102 11202 11203 11203 11203 11203 11203 11203 11303
Lot	
IRDMIS Method Code	
ntractor	

Table: Appendix K

RINSE BLANKS

Contractor Method Description	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	•	Š	Value Unit
ABB-ES ABB-ES ABB-ES	DRO	RNSWSSO1 RNSWMW02 RNSWSB02	RNSWSSO1 RNSWMWO2 RNSWSBO2	52680-02 52856-07 52680-01	DRO DRO	וטםנ	19-NOV-96 04-DEC-96	26-NOV-96 10-DEC-96	348 UGL 105 UGL
ABB-ES ABB-ES		RNSWSB01 RNSWM01	RNSWSB01	52680-03 52856-05	080 080 080		18-NOV-96 03-DEC-96	26-NOV-96 < 26-NOV-96 < 10-DEC-96 <	100 Val 100 Val 100 Val
ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	GP81	RNSWSB01 RNSWSS01 RNSWSB02 RNSWMW01 RNSWMW02	RNSWSB01 RNSWSS01 RNSWSB02 RNSWMW01 RNSWMW01	52680-03 52680-02 52680-01 52856-05 52856-07	2222	PADF 1	18-NOV-96 19-NOV-96 19-NOV-96 03-DEC-96	11-DEC-96 < 11-DEC-96 < 11-DEC-96 < 12-DEC-96 < 12-DEC	9 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	GRO	RNSWSB01 RNSWSB02 RNSWSS01 RNSWM01 RNSWM02	RNSWSB01 RNSWSB02 RNSWSS01 RNSWMW01 RNSWMW02		GRO GRO GRO GRO			21-NOV-96 < 21-NOV-96 < 21-NOV-96 < 06-DEC-96 < 06-DEC-96 <	
ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	GSE1	RNSWSSO1 RNSWSBO1 RNSWSBO2 RNSWMWO1 RNSWMWO2	RNSWSSO1 RNSWSBO1 RNSWSBO2 RNSWMWO1 RNSWMWO2	52680-02 52680-03 52680-01 52856-05 52856-07	25 S S S S S S S S S S S S S S S S S S S	SADF 1 SADF 1 SADG 0	19-NOV-96 18-NOV-96 19-NOV-96 03-DEC-96 04-DEC-96	11-DEC-96 < 11-DEC-96 < 11-DEC-96 < 12-DEC-96 < 12-DEC	22222 22222 22222
ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	GTL1	RNSWSB01 RNSWSB02 RNSWSW01 RNSWMW01 RNSWMW02	RNSWSB01 RNSWSS01 RNSWSB02 RNSWMW01 RNSWMW02	52680-03 52680-02 52680-01 52856-05 52856-07	루루 루루	1ADF 1 1ADF 1 1ADG 0	18-NOV-96 19-NOV-96 19-NOV-96 03-DEC-96 04-DEC-96	11-DEC-96 < 11-DEC-96 < 11-DEC-96 < 12-DEC-96 < 12-DEC-96 < 12-DEC-96 < 12-DEC-96 < 13-DEC-96 < 13-DEC	6 년 년 10 년 년 10 년 년 10 년 년
ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	HGC1	RNSWMWO1 RNSWSBO1 RNSWMWO2 RNSWSBO2 RNSWSSO1	RNSWMU01 RNSWSB01 RNSWMU02 RNSWSB02 RNSWSS01	52856-05 52680-03 52856-07 52680-01 52680-02	운 운 운 운 운	HACO 1	03-DEC-96 18-NOV-96 04-DEC-96 19-NOV-96 19-NOV-96	10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC-96 < 10-DEC	호 한 호 호 호 호 호 호 호 호 호 호 호 호 호 호 호 호 호 호
ABB-ES ABB-ES	ICM1	RNSWMU01 RNSWSS01	RNSWW01 RNSWSS01	52856-05 / 52680-02 /	AS AS	WABM 0	3-DEC-96	03-DEC-96 17-DEC-96 < 19-NOV-96 17-DEC-96 <	2 2 2 3 3 3 3 3 3 4 3 3 3 3 3 3 3 3 3 3

Table: Appendix K RINSE BLANKS FT. ALLEN

Contractor Method Description	IRDMIS Method Code	IRDMIS Site 10	IRDMIS Field Sample Manber	Leb	Test Name	Lot	Sample Date	Anelysis Date <	Value Unit	
	<u> </u>	RNS45B02	RNSWSB02	52680-01	AS		19-NOV-96	17-DEC-96 <	5 US	
ABB-ES		RNS/SB01	RMSL/SB01	52680-03	AS		18-NOV-96	17-DEC-96 <	30.00	
A88-ES		RNS##02	RINSI PA 02	52856-07	AS		94-DEC-98	18-DEC-96 <	5 Je	
ABB-ES		ENST-NO.	RESTANO!	52656-05	3		03-DEC-96	17-DEC-96 <	5	
ABB-ES		RNSASBO1	KNS4SB01	52680-03	2	3	18-NOV-96	17-DEC-96 <	는 얼	
700-E3		NAC AND AND AND AND AND AND AND AND AND AND	KNSASBUZ	52680-01	w :		19-10A-98	17-DEC-96 <	ಶ –	
200-II-0		KMSASSUT	KWSWSSOI	25000-05	w :		19-NOV-96	17-DEC-96 <	න -	
ADB-ES			KINSTAND'S SHIPE IN THE	70-00PC	2	5	24-DEC-98	18-DEC-96 <	5	
ADB-150				S-0076	81		03-DEC-96	17-DEC-96 <	1	
AR-EC					88		8-101-6	17-DEC-96 <	명:	
AB-FC		10000000000000000000000000000000000000			8		96-AON-6	17-DEC-96 <	평 -	
ABB-EC				3,007	B	3	%-NON-82	17-DEC-96 <	평 -	
ADD 150		KHSHAUK	KHSHACK	2000-0/C	8		24-DEC-98	18-060-98 ~	<u>අ</u>	
A66-E5		KNSH TO 1		52856-05	8	=	03-DEC-96	17-DEC-96 <	_ g	
A88-ES		RESTRICT.	RNS48B01	52680-03	88		18-NOV-96	17-DEC-96 <	50	
ABB-ES		RNSI/SB02	RNS4SB02	52680-01	55		19-NON-96	17-DEC-96 <	2	
ABB-ES		RNS48S01	RNS4SS01	52680-02	88		19-MDV-96	17-DEC-96 <	9	
ABB-ES		RNSI-FLO2	RNSIA NOS	52856-07	88	3	04-DEC-96	18-DEC-96 <	-	
29 - GQ							;			
A88-50	2401	ENGLISHO	KNSIMBOT SHOT MODE	52 00 6-05	8 6	3	_	12-DEC-96 <	ර කි	
ABB-FS		COLUMN DE LOS	KNOKO BOO		2		8-62-8	12-DEC-98 <		
ARE-FC		RASE ESPEC	KRS MOCK	70-0020	3		7-DEC-8	12-DEC-98 <		
23 CV		KNOWS ICEO			3		26-A01-6	12-DEC-98		
ABB-EC		ENGINEED CO	Section 1	2000	3		2-2-2	12-DEC-98 <		
73 - 88 - EC		RNSHOOC BNC KBO	KNOWNOCK Buch 19904	50000	₹;	Ž	8-24-6	12-DEC-96		
AP9.5c			KN3M300		₹ :		2-M-2	12-DEC-36 <		
ADD-EC		CO ST STATE		2500-02	₹:		03-DEC-30	12-DEC-98 <		
ADG-ES			KHSHTOK	70-0020	₹:		X-DEC-98	12-DEC-98 <		
ABB-FC		Section 1	KHSHSSOI	2000	7		%-A01-6	12-DEC-% <		
700 - 110 FD0 - 110		KWSWSBO	KNSMSBO	52600-03	≦:		8-104-8	12-DEC-% <		
A66-E3		KNSH TOO	KNSH MOZ	25056-07	≨		X-2EC-8	12-DEC-98 <		
A68-ES		RESTRICT	RISHMO1	52856-05	¥		33-DEC-96	12-DEC-96 <		
		RMS#SB02	RNSIASB02	52680-01	¥	Ž	19-NOV-96	12-DEC-96 <		
		ENSTRESSO!	RESESSO!	52680-02	¥		19-MDM-8	12-DEC-96 <		
ABB-ES		RNS4SB01	RNS4SB01	52680-03	5		18-MOV-96	12-DEC-96 <		
ABB-ES		RESIDENCE OF	RNSLALOT	52856-05	ฮ		3-DEC-96	12-DEC-96 <		
ABB-ES		RNS4SB02	RNS4SB02	52680-01	5		19-NON-92	12-DEC-96 <		
ABB-ES		RNS4SS01	RNS4SS01	20-08925	ฮ	Š		12-DEC-96 <	2000 UG	

Contractor Method Description	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Test Name	Lot	Sample Date	Analysis Date <	Value Unit
ABB-ES	ICP2	RNSMMOZ	RNSUMU02	52856-07	5	2	70.030.70		
ABB-ES		RNSIMM01	RNSWM01	52856-05	58	1 N	03-DEC-96	12-DEC-96 <	2000 UGL
A88-ES		RNSWSB02	RNSWSB02	52680-01	8	ADK	19-NOV-96	12-DEC-96 <	_
ABB-ES ABB-ES		RNSWSS01	RNSWSS01	52680-02	8	ξ	19-NOV-96	12-DEC-96 <	50 OF
ABB-ES		RNSHMW02	RNSHMW02	52856-07	8	IADL	04-DEC-96	12-DEC-96 <	
ABB-ES ABB-ES		RNSWSB01	RNSWSB01	52680-03	8	IADK	18-NOV-96	12-DEC-96 <	_
ABBLES		RNSWSB02	RNSWSB02	52680-01	8	IADK	19-NOV-96	12-DEC-96	
AB-50		RNSWSB01	RNSWSB01	52680-03	ಜ	IADK		12-DEC-96 <	
A88-ES		RNSHMW02	RNSWW02	52856-07	8	IADL		12-DEC-96 <	10 UG
ABB-ES		KNSWMW01	RNSWMOJ	52856-05	.	<u> </u>		12-DEC-96 <	
ABB-ES		KNSMSSO	KNSWSSO	52680-02	క	IADK		12-DEC-96 <	10 UGL
ABB-ES		KNSWMWOT	RNSMMOT	52856-05	3	IADL	•	12-DEC-96 <	
A88-ES		KNSWSBOT	RNSWSB01	52680-03	5	Σğ		12-DEC-96 <	
App. ES		RNSWSS01	RNSWSS01	52680-02	3	ΙĄ		12-DEC-96 <	
ADD		RNSWSB02	RNSWSB02		3	IADK		12-DEC-96 <	당 당
ADD-173		RNSWM02	RNSWMW02		3	<u> 1</u> 8		12-DEC-96 <	
ABB-173		RNSWSB02	RNSWSB02		H	1ADK		12-DEC-96	1120 151
ADD-CO		RNSWSB01	RNSWSB01		E E	ΣŠ		12-DEC-96 <	101
ADD-ES		RNSWW01	RNSWMW01		W	Ιδί		12-DEC-96 <	
ABB-ES		RNSWSS01	RNSWSS01		ш	ВŘ		12-DEC-96 <	100
ABB-ES		RNSWW02	RNSWM02		出	IADL		12-DEC-96 <	
ABB-ES		RNSHMIO	RNSWM01	52856-05	~	IADL	-	12-DEC-96 <	5000 UG
ADD-00		RNSWSB02	RNSWSB02	52680-01	~	ΣĄ	19-NOV-96	2-DEC-96 <	
ABS-ES		RNSWSB01	RNSWSB01	52680-03	v	Ιδ	18-NOV-96	2-DEC-96 <	5000 101
ADD - EC		RNSWSS01	RNSWSS01	52680-02	v	Ιδ	19-NOV-95	12-DEC-96 <	
AD LS		RNSHMINOZ	RNSWM02	52856-07	V	IAD L	_	2-DEC-96 <	
ABB. FS		RNSWM02	RNSWM02	_	AG.	IADL	_	2-DEC-96 <	5000
ABB-ES		KNSMSBUZ	RNSWSB02	_	ā	ZĀ	19-NOV-96 1	12-DEC-96 <	
ABB-ES		KNSMMU1	RNSWWW01	_	£G	IAD.	_	12-DEC-96 <	
A89-56		KNSMSBUT	RNSWSB01	_	9	ZAK	18-NOV-96 1	2-DEC-96 <	5000
App. ES		KNSWSS01	RNSWSS01		Œ.	₹	19-NOV-96 1	2-DEC-96 <	
ABB-ES		RNSWSB02	RNSWSB02		¥	ΙĄΚ	-	2-DEC-96	
ADD-ES		RNSMM01	_		¥	IADL	-	12-DEC-96 <	
ADD-ES		RNSWSB01		52680-03 P	Z.	IADK	•	2-DEC-96 <	2 t
ADD 173		RNSWMW02	٠.	52856-07 P	2	IADL	_	2-DEC-06 /	
ABB-ES		RNSWSS01		52680-02 M	Z	Ą	-	2-DEC-96 <	
ABB-ES		RNSWMJ01	RNSWM01	52856-05 N	×	IADL	- «-	2-DEC -06 <	
ABB-ES		RNSHMW02	RNSWW02	52856-07 N	×	IADL	•	2-DEC-06 /	2000 UGL
						!	•	, Dr. v.	_

FT. ALLEN

RINSE BLANKS

Table: Appendix K

RINSE BLANKS

RISASBO1 52680- RISASBO2 52680- RISASBO1 52680-	Test	Sample Lot Date	Analysis Date <	Value Unit
RNSJASOU RNSJANOU RNS	N S	Ü	12-DEC-96 <	5000 UG.
RNSJARJOT RNSJAR	≨		. 12-DEC-96 <	5000 UG
RNSJARAOT RNSJARAOT RNSJARAOT RNSJARAOZ RNSJARSOT RNSJAR	≨ ∶		12-DEC-96 <	5000 UG
RUSAFROZ RUS	Z		12-DEC-96 <	40 UG
RNSJASBOT RNSJAS	7 N.		12-DEC-96 <	90 O4
RUSHSBOZ RUSHSSBOZ RUSHSBOZ RUSHSSBOZ RUSHSBOZ	S N.		12-DEC-96	150 OF
RISSANDI RISSANDI	H	1ADK 19-NOV-96	12-DEC-96 <	150 04
RISSEMACOZ RISSEMACOZ RISSEMACOZ RISSEMOS RISSEM	75 H		12-DEC-98 <	15U 04
RNSJASOT RNSJANOT RNSJASOT RNSJASOT RNSJANOT RNS	^ ^		. 12-DEC-96 <	50 UG
RNSJARJO RNS	> 2		12-DEC-96 <	50 UG
RNSJAAJOT RNSJAAJOT RNSJAAJOT RNSJAAJOT RNSJASOT RNSJATOT RNSJANJAT RNSJATAT RNSJATAT RNSJATAT RNSJATAT RNSJATAT RNSJAT RNSJASOT RNSJASOT RNSJASOT RNSJASOT RNSJANJAT RNSJATAT RNSJATAT RNSJAT	>=		12-DEC-96 <	20 05
RNSJASOT RNSJANOT RNSJATOT RNSJANOT RNSJATOT RNSJANOT RNSJATOT RNSJANOT RNSJATOT RNS	>		12-DEC-98 <	20.05
RNSJARJOT RNSJARJOT RNSJARJOZ RNSJARJOZ RNSJASBOZ RNSJARJOZ RNSJASBOZ RNSJAS	> 2		12-DEC-96 <	200
RNSJERJOZ RNSJESBOT RNSJESBOT RNSJESBOZ RNSJES	7. 2.		12-her-04	3 2
RNSASBO1 RNSASSO1 RNSASBO1 RNSASSO1 RNSASSO1	3 2		2 25C-22 2	3 3
RNSASSO1 RNSASSO2 RNSASSO2 RNSASSO2 RNSASSO2 RNSASSO2 RNSASSO1 RNSASSO1 RNSASSO1 RNSASSO1 RNSASSO1 RNSASSO1 RNSASSO1 RNSASSO1 RNSASSO1 RNSASSO1 RNSASSO1 RNSASSO1 RNSASSO1 RNSASSO2 RNS	5 2		2 DEC-20 <	35
RNSASSO 1 RNSASSO 2 RNSASSO 2 RNSASSO 2 RNSASSO 2 RNSASSO 2 RNSASSO 2 RNSASSO 2 RNSASSO 2 RNSASSO 2 RNSASSO 2 RNSASSO 2 RNSASSO 2 RNSASSO 2 RNSASSO 2 RNSASSO 2 RNSASSO 2 RNSASSO 2 RNSASSO 2 RNSASSO 2 RNSASSO 3 RNSASS	7.		12-DEC-36 <	2 2 2 3
RNSASBOZ RNSASBOZ RNSASBOZ RNSASBOZ RNSASSOJ RNSASSOJ RNSASSOJ RNSASSOJ RNSASBOZ RNSASSBOZ RNSASSBOZ RNSASSBOZ RNSASSBOZ RNSASSBOZ RNSASBOZ RNSASSBOZ RNSASBOZ RNSASSBOZ	5 i		12-DEC-36 <	3 2
RNSASBOZ RNSASBOZ RNSASBOZ RNSASBOZ RNSASSOJ RNSASSOJ RNSASSOJ RNSASSOJ RNSASBOZ RNSASSOJ RNSASSOJ RNSASSOJ RNSASSOJ RNSASSOJ RNSASSOJ RNSASSOJ RNSASSOJ	7 2	IADK 19-NDV-96	12-DEC-96 <	20 NG
RNSASSO1 RNSASSO1 RNSASSO1 RNSASSO2 RNSASSO2 RNSASSO1 RNSASSO1 RNSASSO2	1 124TCB	BAEA 19-140V-96	27-HOV-96 <	
RNSLASO1 RNSLALO2 RNSLALO2 RNSLABO2 RNSLASO1 RNSLALO2 RNSLASO1 RNSLALO2 RNSLASO1 RNSLABO2 RNSLASO1 RNSLABO2 RNSLASO1 RNSLABO2 RNSLASO2 RNSLASO2 RNSLASO2 RNSLASO2 RNSLASO2 RNSLASO2 RNSLASO2 RNSLASO2	_	BAEA 18-MOV-96	27-MOV-96 <	
RINSLAND RINSLAND	•	BAEA 19-10V-96	27-MOV-96 <	
RNSLANDS RNSLSBOZ RNSLSBOZ RNSLSSOJ RNSLSSOJ RNSLSSOJ RNSLANDJ RNSLANDJ RNSLANDJ RNSLANDJ RNSLANDJ RNSLANDJ RNSLANDJ RNSLANDJ RNSLANDJ RNSLANDJ RNSLANDJ RNSLANDJ RNSLANDJ RNSLANDJ RNSLANDJ RNSLANDJ	_	BAEB 03-DEC-96	13-DEC-96 <	
RNSKSBOZ RNSKSSO1 RNSKSSO1 RNSKSBOZ RNSKSBOZ RNSKSBOZ RNSKSBOZ RNSKSBOZ RNSKSBOZ RNSKSBOZ RNSKSBOZ RNSKSBOZ RNSKSBOZ RNSKSBOZ RNSKSBOZ RNSKSBOZ RNSKSBOZ	•	BAEB 04-DEC-96	13-DEC-96 <	
RNSASBOT RNSALLOT RNSALLOT RNSALROZ RNSASBOZ RNSALSBOT RNSALRAOZ RNSALRAOZ RNSALRAOZ RNSALSBOZ RNSALSBOZ RNSALSBOZ RNSALSBOZ RNSALSBOZ RNSALSBOZ RNSALSBOZ	_	BAEA 19-HDV-96	27-NOV-96 <	
RINSLASOT RINSLANDO RINSLASOT RINSLASOT RINSLASOT RINSLASOT RINSLASOT RINSLASOT RINSLASOT RINSLASOT	•	BAEA 18-110V-96	27-MOV-96 <	
RINSLAMOT RINSLASOZ RINSLASOZ RINSLASOJ RINSLAMOT RINSLAMOZ RINSLASOZ RINSLASOZ RINSLASOZ RINSLASOZ RINSLASOZ RINSLASOZ RINSLASOZ RINSLASOZ RINSLASOZ	_	BAEA 19-NOV-96	27-MOV-96 <	
RNSJANO2 RNSJASBO2 RNSJASBO1 RNSJANO1 RNSJANO1 RNSJANO2 RNSJANO2 RNSJASBO2 RNSJASBO2 RNSJASBO3	_	BAEB 03-DEC-96	13-DEC-96 <	
RNSASBO2 RNSASBO1 RNSASBO1 RNSABALO1 RNSABALO2 RNSASBO2 RNSASBO3 RNSASBO3 RNSASBO3	•	BAEB C4-DEC-96	13-DEC-96 <	
RNSASSOT RNSAMOT RNSAMOT RNSAMOS RNSASSOT RNSASSOT	_	BAEA 19-110V-96	27-MOV-96 <	
RNSJARJO1 RNSJARJO2 RNSJARJO2 RNSJASBO2 RNSJASBO1 RNSJASBO1	3 130CLB	BAEA 18-HOV-96	27-MOV-06 <	
RNSJANO1 RNSJARJOZ RNSJASBOZ RNSJASBOJ RNSJASSOJ	•	BAEA 19-MOV-96	27-MOV-04	
RNSJANJOZ RNSJASBOZ RNSJASBO1 RNSJASBO1	_	BAEB 03-DEC-96	13-050-95	
RNSUSB02 RNSUSB01 RNSUSS01		BAEB 04-DEC-96	14-55-54	_
RNS4S801 52680- RNS4SS01 52680-	-	BAEA 19-NOV-96	22-MON-05	
1 RNSNSSO1 52680-	_	BAEA 18-NOV-96	27-104-06	
	-	BAEA 19-110V-06	27-MOV-0K	
RNSLAND1 SNSLAND1 52856-(_	BAER 03-DEC-96		

RINSE BLANKS

Unit	- - - - - - - - - - - - - - - - - - -
Value	58888865555555555555555555555555555555
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Analysis Date	27-NOV-96 27-NOV-96 13-DEC
Sample Date	19-NOV-96 17-NOV
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Test	140CLB 245TCP 245TCP 245TCP 245TCP 246TCP 246TCP 246TCP 246TCP 240CLP 24
Lab Number	200200000000000000000000000000000000000
IRDMIS Field Sample Number	RNSWMHOZ RNSWSBO1 RNSWSBO2 RNS
IRDMIS Site ID	RNSJAMJOZ RNSJASOJ RNSJASOJ RNSJASOJ RNSJAMJOJ RNSJASOJ
IRDMIS Method Code	SWC1
Contractor Method Description	
Contract	ABB-ES ABB-ES

Table: Appendix K RINSE BLANKS

MISSARAO MISSARAO S2856-05 201P	Contractor Method Descript	Description	IRDMIS Method Code	IRDMIS Site 10	IRDMIS Field Sample Number	Lab Munber	Test Name	Ę	Sample Date	Analysis Date <	Value Uni
RISSAMO RISSAMO S2856-07 2CIAP BAEB 04-DEC-96	ABB-ES		SHV1	RWS4/SS01	RNSWSS01	52680-02	2CLP	BAEA	19-NOV-91	5 27-NOV-96 <	10 UG
RISSAMOZ RISSAMOZ SZ856-07 ZCUAP BAEA 19-MVY-SO	768-ES			RESIDENCE.	RNSI-FLO1	52856-05	SCLP	BAEB	03-DEC-9	5 13-DEC-96 <	10 UG
RISSASSO RISSASO 22680-01 20MP BAEA 19-NOV-96	ABB-ES			RNS4M402	RNS4402	52856-07	•	BAEB	04-DEC-90	5 13-DEC-96 <	
RISSASO RISSASO S260-03 20MP BAEA 19-MOV-96	ABB-ES			RNSL/SB02	RNS4SB02	52680-01		RAEA	10-MOV-01	27-MOV-95	
NY SAME	188-ES			RNSUSSO1	RNSUSS01	52680-02		PAEA	10-10-0	27-M24-05	
NYSMANO RISSAMO S2856-07 STAMP BAEB 01-DEC-96	VBB-E S			RIEST SEOT	PHSLSR01	52680-03	• • •	PAEA	12/2/2	22-121-02	
RISAMAGO	88-ES			RNS-LO-1	PASSAGO	25.45.65.65.65.65.65.65.65.65.65.65.65.65.65			2-75-50	12-PEC-04	
MISSERD	88-ES			PWS BELD?	PINSTER 02	52856-07		DACD	200	12-DEC-28	
NISASSO RISASSO SUSSO 52660-03 2004P BAEA 19-NOV-96	68 -ES			PHSI-SRU2	PHS-LS-B02	52680-01		PAFA	20.02	22-DEC-38	
HISAMAD HISAMAD 5266-05 2004P BAEA 19-10V-50	88-ES			PHOLODO!	DIVELORA 1	20,000				2 - 12 - 12 - 12 - 12 - 12 - 12 - 12 -	
HISTARGO	59-ES			PNGLECO1	DIVELES OF	20000			K-201	× 8-51-17	
RISHMAND RISHMAND SEGGE-07 DWAP BAEB 01-EC-56 RISHMAND RISHMAND SEGGE-07 DWAP BAEB 10-EC-56 RISHMAND RISHMAND SEGGE-07 DWAP BAEB 11-E07-56 RISHMAND RISHMAND SEGGE-07 DWAP BAEB 01-EC-56 RISHMAND RISHMAND SEGGE-07 DWAP BAEA 19-INOV-56 RISHMAND SEGGE-07 DWAP BAEA 19-INOV-56 RISHMAND SEGGE-07 DWAP BAEA 19-INOV-56 RISHMAND SEGGE-07 DWAP BAEA 19-INOV-56 RISHMAND SEGGE-07 DWAP BAEA 19-INOV-56 RISHMAND SEGGE-07 DWAP BAEA 19-INOV-56 RISHMAND SEGGE-07 DWAP BAEA 19-INOV-56 RISHMAND SEGGE-07 DWAP BAEA 19-INOV-56 RISHMAND SEGGE-07 DWAP BAEA 19-INOV-56 RISHMAND SEGGE-07 DWAP BAEA 19-INOV-56 RISHMAND SEGGE-07 DWAP BAEA 19-INO	AB-FS			DECEMBER OF	ENGINEER DE	70-0076			X-201-40	× 92-721	
RISSAND RISSAND 2 20200-01 20P BAEA 19-NOV-96 RISSAND RISSAND 52680-03 20P BAEA 19-NOV-96 RISSAND RISSAND 52680-03 20P BAEA 19-NOV-96 RISSAND RISSAND SERSON 52680-03 20P BAEB 03-DEC-96 RISSAND RISSAND RISSAND 52680-03 20AMIL BAEA 19-NOV-96 RISSAND RISSAND RISSAND SERSON SERS	23-88 S-ES			DAYS AND INC.		2500-02			2-DEC-20	13-DEC-96 <	
NEW 19 19 19 19 19 19 19 1	21-88			ANSWERED C	RAISE MAC)0-0000C			S-DEC-5	13-DEC-96 <	
NEWSON NEWSON STAND ST	20-00-00-00-00-00-00-00-00-00-00-00-00-0			KNOWOO	KHUKAOUK	D-0000			8- 70 1-61	> 57-101-75 ×	
RYSAMAO RYSAMAO 52660-03 29P BAEA 10-10V-96	21.00			KWS#SSC	KNSASSO	2200-05			19-101-91	57-HOV-98 <	
RNSMAND RNSMAND 52666-05 29P BACE 03-DEC-96 RNSMAND RNSMAND 52660-01 2AMIIL BACA 19-NOV-96 RNSMSSO1 RNSMSSO1 52660-02 2AMIIL BACA 19-NOV-96 RNSMSSO1 RNSMSSO1 52660-02 2AMIIL BACA 19-NOV-96 RNSMSMAND RNSMAND 52656-05 2AMII BACE 19-NOV-96 RNSMSSO1 RNSMSSO1 52660-01 2AP BACE 03-DEC-96 RNSMSSO1 RNSMSSO1 52660-01 2AP BACE 19-NOV-96 RNSMSSO1 RNSMSSO1 52660-01 3AP BACE 19-NOV-96 RNSMSSO1 RNSMSSO1 52660-01 3ADCBD BACE 19-NOV-96 RNSMSSO1 RNSMSSO1 52660-01 3ADCBD BACE 19-NOV-96 RNSMSSO1 RNSMSSO1 52660-01 3ADCBD BACE 19-NOV-96 RNSMSSO1 RNSMSSO1 52660-01 3ADCBD BACE 19-NOV-96 RNSMSSO1 RNSMSSO1 52660-01 3AAMIIL BACE 19-NOV-96 RNSMSSO1 SNSMSSO1 52660-01 3AAMIIL BACE 19-NOV-96 RNSMSSO1 SNSMSSO1 52660-01 3AAMIIL BACE 19-NOV-96 RNSMSSO1 SNSMSSO1 52660-01 3AAMIIL BACE 19-NOV-96 RNSMSSO1 52660-01 3AAMIIL BACE 19-NOV-96 RNSMSSO1 52660-01 3AAMIIL BACE 19-NOV-96 RNSMSSO1 5266	20-02 20-02 20-02			RWS4/SB01	RNSHSB01	52680-03			18-10V-96	57-NOV-96 <	
RNSJARJOZ RNSJARJOZ 5266-07 29P BAEB 04-DEC-96 RNSJASBOZ RNSJASBOZ 5260-03 2AANIL BAEA 19-NOV-96 RNSJASBOZ RNSJARJOZ 5260-02 2AANIL BAEA 19-NOV-96 RNSJARJOZ RNSJARJOZ 52656-05 2AANIL BAEA 19-NOV-96 RNSJARJOZ RNSJARJOZ 52656-07 2AANIL BAEB 03-DEC-96 RNSJARJOZ RNSJARJOZ 52656-07 2AANIL BAEB 03-DEC-96 RNSJARJOZ RNSJARJOZ 52656-07 2AP BAEA 19-NOV-96 RNSJARJOZ RNSJARJOZ 52656-07 2AP BAEB 03-DEC-96 RNSJARJOZ RNSJARJOZ 52650-07 2AP BAEA 19-NOV-96 RNSJARJOZ RNSJARJOZ 52650-07 330CBD BAEA 19-NOV-96 RNSJARJOZ RNSJARJOZ 52650-07 330CBD BAEA 19-NOV-96 RNSJARJOZ RNSJARJOZ 52650-07 330CBD BAEA 19-NOV-96 RNSJARJOZ RNSJARJOZ 52650-07 330CBD BAEA 19-NOV-96 RNSJARJOZ RNSJARJOZ 52650-07 330CBD BAEA 19-NOV-96 RNSJARJOZ RNSJARJOZ 52650-07 330CBD BAEA 19-NOV-96 RNSJARJOZ RNSJARJOZ 52650-07 330CBD BAEA 19-NOV-96 RNSJARJOZ RNSJARJOZ 52650-07 330CBD BAEA 19-NOV-96 RNSJARJOZ RNSJARJOZ 52650-07 330CBD BAEA 19-NOV-96 RNSJARJOZ RNSJARJOZ 52650-07 330CBD BAEA 19-NOV-96 RNSJARJOZ RNSJARJOZ 52650-07 330CBD BAEA 19-NOV-96 RNSJARJOZ RNSJARJOZ 52650-07 330CBD BAEA 19-NOV-96 RNSJARJOZ RNSJARJOZ 52650-07 330CBD BAEA 19-NOV-96 RNSJARJOZ RNSJARJOZ 52650-07 330CBD BAEA 19-NOV-96 RNSJARJOZ RNSJARJOZ 52650-07 330CBD BAEA 19-NOV-96 RNSJARJOZ RNSJARJOZ 52650-07 330CBD BAEA 19-NOV-96 RNSJARJOZ RNSJARJOZ 52650-07 330CBD BAEA 19-NOV-96 RNSJARJOZ SNSJARJUZ BAEB 03-DEC-96 RNSJARJOZ SNSJARJUZ BAEB 03-DEC	56-ES			RESIDENCE.	RISTENO!	52856-05			93-DEC-98	13-DEC-96 <	
RNSMSSO1 RNSMSSO1 S2680-03 ZMAIII BAEA 19-NOV-96 RNSMSSO1 RNSMSSO1 S2680-03 ZMAIII BAEA 19-NOV-96 RNSMSSO1 RNSMANO1 S2680-03 ZMAIII BAEB 03-06C-96 RNSMSSO1 RNSMSSO1 S2680-01 ZMP BAEB 03-06C-96 RNSMSSO1 RNSMSSO1 S2680-01 ZMP BAEB 04-06C-96 RNSMSSO1 RNSMSSO1 S2680-03 ZMP BAEA 19-NOV-96 RNSMSSO1 RNSMSSO1 S2680-03 ZMP BAEA 19-NOV-96 RNSMSSO1 RNSMSSO1 S2680-01 ZMP BAEB 04-06C-96 RNSMSSO1 RNSMSSO1 S2680-01 ZMP BAEB 04-06C-96 RNSMSSO1 RNSMSSO1 S2680-01 ZMP BAEB 04-06C-96 RNSMSSO1 RNSMSSO1 S2680-03 ZMP BAEB 04-06C-96 RNSMSSO1 RNSMSSO1 S2680-03 ZMP BAEB 04-06C-96 RNSMSSO1 RNSMSSO1 S2680-03 ZMP BAEB 04-06C-96 RNSMSSO1 RNSMSSO1 S2680-03 ZMP BAEB 04-06C-96 RNSMSSO1 RNSMSSO1 S2680-03 ZMP BAEB 04-06C-96 RNSMSSO1 RNSMSSO1 S2680-03 ZMAIII BAEB 04-06C-96 RNSMSSO1 RNSMSSO1 S2680-03 ZMAIII BAEB 03-06C-96 RNSMSSO1 RNSMSSO1 S2660-03 ZMAIII BAEB 03-06C-96 RNSMSSO1 RNSMSSO1 S2660-03 ZMAIII BAEB 03-06C-96 RNSMSSO1 RNSMSSO1 S2660-03 ZMAIII BAEB 03-06C-96 RNSMMO2 S2660-03 ZMAIII BAEB 03-06C-96 RNSMMO2 S2660-03 ZMAIII BAEB 03-06C-96 RNSMMO2 S2660-03 ZMAIII BAEB 03-06C-96 RNSMMO2 S2660-03 ZMAIII BAEB 03-06C-96 RNSMMO2 S2660-03 ZMAIII BAEB 03-06C-96 RNSMMO2 S2660-03 ZMAIII BAEB 03-06C-96 RNSMMO2 S2660-03 ZMAIII BAEB 03-06C-96	56-ES			RNSIPP.02	RINSTANDS	52856-07			8-0EC-8	13-DEC-96 <	50 US
RNSMSSO1 RNSMSSO1 52680-03 ZMAIIL BACA 18-NOV-96 RNSMSNO1 RNSMSSO1 52680-02 ZMAIIL BACE 03-0EC-96 RNSMSSO2 RNSMSNO2 52680-01 ZMAIIL BACE 03-0EC-96 RNSMSSO1 RNSMSSO1 52680-01 ZMP BACE 19-NOV-96 RNSMSSO1 RNSMSSO1 52680-03 ZMP BACE 19-NOV-96 RNSMSNO1 RNSMSSO1 52680-01 ZMP BACE 19-NOV-96 RNSMSNO1 RNSMSSO1 52680-01 ZMP BACE 19-NOV-96 RNSMSSO1 RNSMSSO1 52680-01 ZMAIIL BACE 19-NOV-96 RNSMSSO1 RNSMSSO1 52680-01 ZMAIIL BACE 19-NOV-96 RNSMSSO1 RNSMSSO1 52680-01 ZMAIIL BACE 19-NOV-96 RNSMSSO1 RNSMSSO1 52680-01 ZMAIIL BACE 19-NOV-96 RNSMSSO1 RNSMSSO1 52680-01 ZMAIIL BACE 19-NOV-96 RNSMSSO1 RNSMSSO1 52680-01 ZMAIIL BACE 19-NOV-96 RNSMSSO1 RNSMSSO1 52680-01 ZMAIIL BACE 19-NOV-96 RNSMSSO1 RNSMSSO1 52680-01 ZMAIIL BACE 19-NOV-96 RNSMSSO1 RNSMSSO1 52680-01 ZMAIIL BACE 19-NOV-96 RNSMSSO1 RNSMSSO1 52680-01 ZMAIIL BACE 19-NOV-96 RNSMSSO1 RNSMSSO1 52680-01 ZMAIIL BACE 19-NOV-96 RNSMSSO1 RNSMSSO1 52680-01 ZMAIIL BACE 19-NOV-96 RNSMSSO1 RNSMSSO1 52680-01 ZMAIIL BACE 19-NOV-96 RNSMSSO1 RNSMSSO1 52680-01 ZMAIIL BACE 19-NOV-96 RNSMSSO1 RNSMSSO1 52660-01 ZMAIIL BACE 19-NOV-96 RNSMSSO1 RNSMSSO1 52680-01 ZMAIIL BACE 19-NOV-96 RNSMSSO1 RNSMSSO1 52660-01 ZMAIIL BACE 19-NOV-96 RNSMSSO1 RNSMSSO1 52660-	56-tS			RNS4SB02	RNS4SB02	52680-01			19-NOV-96	527-MOV-96 <	
RNSJAGOT RNSJAGOT SZEGO-02 ZNANIL BAEA 19-NOV-96 RNSJAGOT RNSJAGOT SZEGO-07 ZNANIL BAEB 03-DEG-96 RNSJAGOT RNSJAGOT SZEGO-01 ZNANIL BAEB 03-DEG-96 RNSJAGOT RNSJAGOT SZEGO-01 ZNP BAEA 19-NOV-96 RNSJAGOT RNSJAGOT SZEGO-02 ZNP BAEA 19-NOV-96 RNSJAGOT RNSJAGOT SZEGO-02 ZNP BAEA 19-NOV-96 RNSJAGOT RNSJAGOT SZEGO-01 ZNP BAEA 19-NOV-96 RNSJAGOT RNSJAGOT SZEGO-01 ZNP BAEA 19-NOV-96 RNSJAGOT RNSJAGOT SZEGO-01 ZNP BAEA 19-NOV-96 RNSJAGOT RNSJAGOT SZEGO-01 ZNP BAEA 19-NOV-96 RNSJAGOT RNSJAGOT SZEGO-01 ZNP BAEA 19-NOV-96 RNSJAGOT RNSJAGOT SZEGO-01 ZNP BAEA 19-NOV-96 RNSJAGOT RNSJAGOT SZEGO-01 ZNP BAEA 19-NOV-96 RNSJAGOT RNSJAGOT SZEGO-01 ZNP BAEA 19-NOV-96 RNSJAGOT RNSJAGOT SZEGO-01 ZNP BAEA 19-NOV-96 RNSJAGOT RNSJAGOT SZEGO-01 ZNP BAEA 19-NOV-96 RNSJAGOT RNSJAGOT SZEGO-01 ZNANIIL BAEA 19-NOV-96 RNSJAGOT RNSJAGOT SZEGOT RNSJAGOT RNSJAGOT RNSJAGOT	58-ES			RNSL/SB01	RNSL/SB01	52680-03	ZIVIII		18-NOV-96	> 27-NOV-96 <	
NYSAMAO	29-ES			RNS4SS01	RNSLSS01	52680-02	SIMIL		19-NON-91	27-NOV-96 ×	
RYSMAND2 RYSMAND2 52656-07 2NAM11 BAEB 04-DEC-96 RYSMSB01 RYSMSB01 52660-01 2NP BAEA 19-NDV-96 RYSMSB01 RYSMSB01 52660-02 2NP BAEA 19-NDV-96 RYSMSB01 RYSMSB01 52660-02 2NP BAEB 04-DEC-96 RYSMAND1 RYSMAND1 52656-07 2NP BAEB 04-DEC-96 RYSMSB01 RYSMSB01 52660-01 33DCBD BAEA 19-NDV-96 RYSMSB01 RYSMSB01 52660-01 33DCBD BAEA 19-NDV-96 RYSMSB01 RYSMSB01 52656-07 33DCBD BAEA 19-NDV-96 RYSMSB01 RYSMSB01 52656-07 33DCBD BAEA 19-NDV-96 RYSMSB01 RYSMSB01 52656-07 33DCBD BAEB 03-DEC-96 RYSMSB01 RYSMSB01 52650-01 3AAN11 BAEB 03-DEC-96 RYSMSB01 RYSMSB01 52650-01 3AAN11 BAEA 19-NDV-96 RYSMSB01 RYSMSB01 52650-03 3AAN11 BAEA 19-NDV-96 RYSMSB01 RYSMSB01 52650-03 3AAN11 BAEA 19-NDV-96 RYSMSB01 RYSMSB01 52650-03 3AAN11 BAEA 19-NDV-96 RYSMSB01 RYSMSB01 52650-03 3AAN11 BAEA 19-NDV-96 RYSMSB01 RYSMSB01 52650-03 3AAN11 BAEA 19-NDV-96 RYSMSB01 RYSMSB01 52650-03 3AAN11 BAEA 19-NDV-96 RYSMSB01 RYSMSB01 52650-03 3AAN11 BAEA 19-NDV-96 RYSMSB01 RYSMSB01 52650-03 3AAN11 BAEA 19-NDV-96 RYSMSB01 RYSMSB01 52650-03 3AAN11 BAEA 19-NDV-96 RYSMSB01 RYSMSB01 52650-03 3AAN11 BAEA 19-NDV-96 RYSMSB01 RYSMSB01 52650-03 3AAN11 BAEA 19-NDV-96 RYSMSB01 RYSMSB01 52650-03 3AAN11 BAEA 19-NDV-96 RYSMSB01 RYSMSB01 52650-03 3AAN11 BAEA 19-NDV-96 RYSMSB01 RYSMSB01 52650-03 3AAN11 BAEA 19-NDV-96 RYSMSB01 RYSMSB01 52650-03 3AAN11 BAEA 19-NDV-96 RYSMSB01 RYSMSB01 52650-03 3AAN11 BAEA 19-NDV-96 RYSMSB01 RYSMSB01 52650-03 3AAN11 BAEA 19-NDV-96 RYSMSB01 RYSMSB01 52650-03 3AAN11 BAEA 19-NDV-96 RYSMSB01 RYSMSB01 52650-03 3AAN11 BAEB 10-NDC-96 RYSMSB01 RYSMSB01 FYNGSB01 52650-03 3AAN11 BAEB 10-NDC-96 RYSMSB01 RYSMSB01 FYNGSB01 52650-03 3AAN11 BAEB 10-NDC-96 RYSMSB01 RYSMSB01 FYNGSB01 FY	88-ES			RINSIA-101	RNSLPL01	52856-05			03-DEC-96	13-DEC-96 <	
RNSASBO2 RNSASBO2 52680-01 2MP BAEA 19-NOV-96 RNSASBO1 RNSASBO1 52680-03 2MP BAEA 19-NOV-96 RNSASSO1 RNSASSO1 52680-03 2MP BAEA 19-NOV-96 RNSASMANO2 RNSAMANO2 52686-05 2MP BAEB 03-DEC-96 RNSASBO2 RNSASSO1 S2680-01 330CBD BAEA 19-NOV-96 RNSASSO1 RNSASSO1 52680-03 330CBD BAEA 19-NOV-96 RNSASSO1 RNSASSO1 52680-03 330CBD BAEA 19-NOV-96 RNSASSO2 RNSASSO1 52680-03 330CBD BAEA 19-NOV-96 RNSASSO2 RNSASSO1 52680-01 330CBD BAEB 03-DEC-96 RNSASSO2 RNSASSO1 52680-01 330CBD BAEB 03-DEC-96 RNSASSO1 RNSASSO1 52680-03 330CBD BAEB 03-DEC-96 RNSASSO1 RNSASSO1 S2660-03 330CBD BAEB 03-DEC-	88-ES			RNSIPPO2	PHSMM02	52656-07			94-DEC-98	13-DEC-96 <	
RNSMSB01 RNSMSB01 52660-03 ZNP BAEA 18-NOV-96 RNSMSB01 RNSMSB01 52660-02 ZNP BAEA 19-NOV-96 RNSMSB02 RNSMSB02 52660-02 ZNP BAEB 03-DEC-96 RNSMSB02 RNSMSB02 52660-01 Z3DCBD BAEA 19-NOV-96 RNSMSB02 RNSMSB01 RNSMSB01 52660-01 Z3DCBD BAEA 19-NOV-96 RNSMSB01 RNSMSB01 52660-01 Z3DCBD BAEA 19-NOV-96 RNSMSB02 RNSMSB01 52660-01 Z3DCBD BAEA 19-NOV-96 RNSMSB02 RNSMSB02 52660-01 Z3DCBD BAEA 19-NOV-96 RNSMSB02 RNSMSB02 52660-01 Z3DCBD BAEA 19-NOV-96 RNSMSB02 RNSMSB01 52660-01 Z3DCBD BAEA 19-NOV-96 RNSMSB02 RNSMSB02 52660-01 Z3DCBD BAEB 03-DEC-96 RNSMSB02 RNSMSB01 52660-01 Z3DCBD BAEB 03-DEC-96 RNSMSB02 RNSMSB01 52660-01 Z3DCBD BAEB 03-DEC-96 RNSMSB02 RNSMSB01 52660-01 Z3DCBD BAEB 03-DEC-96 RNSMSB01 RNSMSB01 Z3DCBD BAEB 03-DEC-96 RNSMSB01 RNSMSB01 Z3DCBD BAEB 03-DEC-96 RNSMSB	BB-ES			RNS4SB02	PHS4SB02	52680-01			19-NON-96	27-NOV-96 <	
RNSASSO1 RNSASSO1 52660-02 ZNP BAEA 19-NOV-96 RNSAFALO1 RNSAFALO1 52856-05 ZNP BAEB 03-DEC-96 RNSAFALO2 RNSAFALO2 RNSAFALO2 SZESSO-01 ZDCBD RNSAFALO2 RNSAFALO2 SZESSO-01 ZDCBD BAEA 19-NOV-96 RNSAFALO3 RNSASSO1 SZESSO-02 ZDCBD BAEA 19-NOV-96 RNSAFALO1 RNSAFALO1 SZESSO-02 ZDCBD BAEA 19-NOV-96 RNSAFALO2 RNSAFALO2 RNSAFALO2 SZESSO-01 ZDCBD BAEA 19-NOV-96 RNSAFARO2 RNSAFALO3 RNSAFALO3 SZESSO-01 ZDCBD BAEB 03-DEC-96 RNSAFARO3 RNSAFALO3 SZESSO-01 ZDCBD BAEB 03-DEC-96 RNSAFARO3 RNSAFARO3 SZESSO-01 ZDCBD BAEB 03-DEC-96 RNSAFARO3 RNSAFARO3 SZESSO-01 ZAVANII BAEA 19-NOV-96 RNSAFARO3 RNSAFARO3 SZESSO-01 ZAVANII BAEA 19-NOV-96 RNSAFARO3 RNSAFARO3 SZESSO-02 ZAVANII BAEA 19-NOV-96 RNSAFARO3 RNSAFARO3 SZESSO-02 ZAVANII BAEA 19-NOV-96 RNSAFARO3 RNSAFARO3 SZESSO-03 ZAVANII BAEB 03-DEC-96	88-ES			RNS4SB01	PHSIASBO1	52680-03			18-NOV-96	27-MOV-96 <	
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Sample Date	19-NOV-96 19-NOV-96 19-NOV-96 19-NOV-96 11-NOV-96
Lot	BAEB BAEB BAEB BAEB BAEB BAEB BAEB BAEB
Test Name	460N2C 460N2C 460N2C 460N2C 460N2C 48RPPE 48RPPE 48RPPE 4CANIL 4CANIL 4CANIL 4CANIL 4CL 3C 4CL 3C 4CL 3C 4CL PE 4CL
Lab Number	52880-01 52880-03
IRDMIS Field Sample Number	RNSMSBOZ RNSWSBOZ RNS
IRDMIS Site ID	RNSMSB02 RNSMSB01 RNSMSB01 RNSMSB02 RNSMSB02 RNSMSB02 RNSMSB02 RNSMSB02 RNSMSB02 RNSMSB02 RNSMSB02 RNSMSB02 RNSMSB02 RNSMSB02 RNSMSB02 RNSMSB02 RNSMSB02 RNSMSB02 RNSMSB02 RNSMSB02 RNSMSB02 RNSMSB02 RNSMSB03 RNSMSB03 RNSMSB02 RNSMSB03 RNS
IRDMIS Method Code	TAMS
Contractor Method Description	
Contractor	ABB-ES ABB-ES

RINSE BLANKS

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NEWSWARD NEWSWARD S.256-07 G. MAPPIE BALE 10 + NEV-66 27-NOV-96 10		SHV1	RNS4M01	RNSIARIO1	52856-05	4.4	BAEB	03-DEC-96	13-DEC-9		
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NASSBOLD RISSAMALO] S2856-05 ANTRC BAEB 03-DEC-96 13-DEC-96 10-DEC-96 10-DEC			RNSI-SSO1	RWSL/SS01	52680-02	-		19-MDV-95	27-MOV-9	· v	2 5
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History		SHV1	RNSLML01	RNS1.PR.O1	52856-05	CHRY	EAEB :	03-DEC-94	5 13-DEC-96 <	10	2
RISAMO2			KNSKSB02	RNSWSB02	52680-01	_	BAEA	19-NOV-96	5 27-NOV-96 <	2	털
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RNSMANO RNSMANO S2056-07 CLGCP BAEB RNSMSO S2056-07 CLGCP BAEB RNSMSO S2056-07 CLGCP BAEB RNSMSO S2056-07 CLGCP BAEB RNSMSO S2056-07 CLGCF BAES RNSMSO S2056-07 CLGCF BAES RNSMSO S2056-07 CLGCF BAEB RNSMSO S2056-07 CLGCF B			PMSLCC01	ENGINEED!	S -007C		SAEA BAEA	18-MOV-98	5 27-NOV-96 <	9	펄
RISAMANO RISASSO S260-07 CLGCP BAEB RISASSO RISASSO S260-07 CLGCP BAEB RISASSO RISASSO S260-07 CLGCT BAEB RISASSO S260-07 CLGCT BAEB RISASSO S260-07 CLGCT BAEB RISASSO S260-07 CLGCT CCCT BAEB RISASSO S260-07 CLGCT CCCT			PNC PLOS	CONTRACTOR CO.	20-0026		ME.	19-MOV-92	5 27-110V-96 <	2	펄
RNSMSSO RNSMSSO 52680-05 CLGET BACK			ENGINEERO	SAN SERVICE	20-0cp2c			8-DEC-8	5 13-DEC-96 <	2	펄
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NASASSO RUSHANO 52680-02 CLGET BAEB RUSHANO 52680-03 CLGET BAEB RUSHANO 52680-03 CLGET BAEB RUSHSBO 52680-03 CLGET BAEB RUSHSBO 52680-03 DBAHA BAEA RUSHSBO 52680-03 DBAHA BAEA RUSHSBO 52680-03 DBAHA BAEA RUSHSBO 52680-03 DBAHA BAEA RUSHSBO 72680-03 DBAHA BAEA RUSHSBO 72680-03 DBAHA BAEA RUSHSBO 72680-03 DBAHA BAEA RUSHSBO 72680-03 DBAHA BAEB RUSHSBO 72680-03 DBAHA BAEA RUSHSBO 72680-03 DBAHA BAEB RUSHSBO 72680-03 DBAHA BAEB RUSHSBO 72680-03 DBAHA BAEB RUSHSBO 72680-03 DBEP BAEA RUSHSBO 72680-03 DBEP BAEA RUSHSBO 72680-03 DBEP BAEA RUSHSBO 72680-03 DBP BAEA RUSHSBO 72680-03 DBP BAEA RUSHSBO 72680-03 DBP BAEA RUSHSBO 72680-03 DBP 8AEB RUSHSBO 72680-03 DBP 72				KNSWSBUZ	52680-01		BEE	19-MDV-96	5 27-HOV-96 <	2	2
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RNSMSOO RNSMSOO 52650-05 DBAHA BAEB RNSMSOO 52650-05 DBAHA BAEB RNSMSOO 752650-05 DBATHR BAEA RNSMSOO 752650-05 DBATHR BAEA RNSMSOO 752650-05 DBATHR BAEB RNSMSOO 752650-05 DBATHR BAEB RNSMSOO 752650-05 DBATHR BAEB RNSMSOO 752650-05 DBATHR BAEB RNSMSOO 752650-05 DBATHR BAEB RNSMSOO 752650-05 DBATHR BAEB RNSMSOO 752650-07 DBATHR BAEB RN			RNSIPPOS	RNSI-FIOS	52856-07	DBAHA	BAEB	94-DEC-98	13-DEC-96 A		3 2
RNSMSBOT RNSMSBOZ 52680-01 DBZFUR BAEA RNSMSSBOT RNSMSBOT RNSMSBOT S2680-03 DBZFUR BAEA RNSMSNSBOT RNSMSSSOT S2680-03 DBZFUR BAEA RNSMSNSD RNSMSSOT S2660-03 DBZFUR BAEB RNSMSSOT RNSMSSOT S2660-03 DEP BAEA RNSMSSOT RNSMSSOT S2660-03 DEP BAEA RNSMSND RNSMSSOT S2660-03 DEP BAEA RNSMSND RNSMSSOT S2660-03 DEP BAEA RNSMSND RNSMSSOT S2660-03 DEP BAEA RNSMSND RNSMSSOT S2660-01 DEP BAEA RNSMSND RNSMSSOT S2660-01 DEP BAEA RNSMSSOT RNSMSSOT S2660-01 DEP BAEA RNSMSSOT RNSMSSOT S2660-03 DEP BAEA RNSMSSOT RNSMSSOT S2660-03 DEP BAEA RNSMSSOT RNSMSSOT S2660-03 DEP BAEA RNSMSSOT RNSMSSOT S2660-03 DEP BAEA RNSMSSOT RNSMSSOT S2660-03 DEP BAEA RNSMSSOT RNSMSSOT S2660-03 DEP BAEA RNSMSSOT RNSMSSOT S2660-03 DEP BAEA RNSMSSOT RNSMSSOT S2660-03 DEP BAEA RNSMSSOT RNSMSSOT S2660-03 DEP BAEA RNSMSSOT RNSMSSOT S2660-03 DEP BAEB RNSMSSOT S2660-03 DEP BAEB RNSMSSOT S2660-03 DEP BAEB RNSMSSOT SXSOT RNSMSSOT S2660-03 DEP BAEB RNSMSSOT SXSOT SYSOT SYSOT SYSOT SYSON BAEB RNSMSSOT SXSOT SYSOT SYSOT SYSON SYSON BAEB RNSMSSOT SXSOT SYSON SYS			RNSI-MOT	RESIDENCE.	52856-05	DBAHA	BAEB	03-DEC-96	13-05-08		3 5
RNSASSOT RNSASSOT 52680-03 DBZFUR BAEA RNSASSOT RNSANDO 52680-02 DBZFUR BAEA RNSASSOT RNSANDO 52660-02 DBZFUR BAEB RNSASSOT RNSANDO 52660-02 DEP BAEB RNSASSOT RNSANSSOT 52660-02 DEP BAEB RNSASNOT RNSASSOT 52660-03 DEP BAEB RNSASNOT RNSANDO 52660-03 DEP BAEB RNSASSOT 82680-03 DEP BAEB RNSANDO 52660-03 DEP BAEB RNSANSSOT 52660-03			RNS45802	RNS4SB02	52680-01	DEZFUR	MEA	19-NOV-96	27-MCV-95 A	2 \$	3 5
RNSMSSO1 RNSMSSO1 52660-02 DEZFUR BAEB RNSMSSO1 RNSMMO2 52656-07 DEZFUR BAEB RNSMSSO1 RNSMSSO1 52656-07 DEZFUR BAEB RNSMSSO1 RNSMSSO1 52660-02 DEP BAEA RNSMSSO1 RNSMSSO1 52660-01 DEP BAEB RNSMSSO1 RNSMSSO1 52660-01 DEP BAEB RNSMSSO1 RNSMSSO1 52660-07 DEP BAEB RNSMSSO1 RNSMSSO1 52660-07 DEP BAEB RNSMSSO1 RNSMSSO1 52660-07 DEP BAEB RNSMSSO1 RNSMSSO1 52660-07 DEP BAEB RNSMSSO1 RNSMSSO1 52660-07 DEP BAEB RNSMSSO1 RNSMSSO1 52660-07 DEP BAEB RNSMSSO1 RNSMSSO1 52660-07 DEP BAEB RNSMSSO1 RNSMSSO1 52660-07 DEP BAEB RNSMSSO1 RNSMSSO1 52660-07 DEP BAEB RNSMSSO1 RNSMSSO1 52650-07 DEP BAEB RNSMSSO1 SNSMSSO1 52650-07 DEP BAEB RNSMSSO1 52650-07 DEP BAEB RNSM			RNS4SB01	RNS4SB01	52680-03	DRZHIE	RAFA	18-147V-9	22-126-25		3 !
NYSAMAO2			RNSUSS01	RNSLSS01	52680-02	DEZFUR	AEA.	2 - A	27-MOV-75		3 5
RNSMMOT RNSMMOT S2856-05 DBZFUR BAEA RNSMS01 RNSMSS01 S2600-02 DEP BAEA RNSMSS01 RNSMSS01 S2600-03 DEP BAEA RNSMMOT RNSMSS01 S2600-01 DEP BAEA RNSMMOT RNSMMOT S2856-07 DEP BAEA RNSMSS01 RNSMSS01 S2650-01 DMP BAEA RNSMSS01 RNSMSS01 S2650-02 DMP BAEA RNSMSS01 RNSMSS01 S2650-03 DMP BAEA RNSMMOT RNSMSS01 S2650-03 DMP BAEA RNSMMOT RNSMMOT S2856-07 DMP BAEA RNSMMOT RNSMMOT S2856-07 DMP BAEA RNSMMOT RNSMMOT S2856-07 DMP BAEA RNSMMOT RNSMMOT S2856-07 DMP BAEA RNSMMOT RNSMMOT S2856-07 DMP BAEA RNSMMOT RNSMMOT S2856-07 DMP BAEA RNSMMOT RNSMMOT S2856-07 DMP BAEA RNSMMOT SNSMMOT S2856-07 DMP BAEA RNSMSS01 SNSMOT S2856-07 DMP BAEA RNSMSS01 SNSMSS01 SNSMOT S2856-07 DMP BAEA RNSMSS01 SNSMSS01 SNSMOT S2856-07 DMP BAEA RNSMSS01 SNSMSS01 SNSMSS0			RNSI-FLO2	RMSLPL02	52656-07	DBZFI IP	RAFR	7-PEC-94	12-75-75		3 3
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RNSJASBOT RNSJASBOT 52680-03 DEP BAEA RNSJASBOZ RNSJASBOZ RNSJAROZ 52680-01 DEP BAEB RNSJAROJ RNSJAROJ 52680-01 DEP BAEB RNSJASSOT RNSJASSOT 52680-02 DEP BAEB RNSJASSOT RNSJASSOT 52680-02 DEP BAEB RNSJASSOT RNSJASBOZ 52680-03 DEP BAEB RNSJASBOT RNSJASBOT 52680-03 DEP BAEB RNSJASBOT RNSJASBOT 52680-03 DEP BAEB RNSJASBOT RNSJASBOT 52680-03 DEP BAEB RNSJASBOT RNSJASBOT 52680-03 DEP BAEB RNSJASBOT RNSJASBOT 52680-03 DEP BAEB RNSJASBOT RNSJASBOT 52680-01 DNEP BAEB RNSJASBOT 52680-01 DNEP BAEB RNSJASBOT 52680-01 DNEP BAEB RNSJASBOT 52680-01 DNEP BAEB RNSJASBOT 52680-01 DNEP BAEB RNSJASBOT 52680-01 DNEP BAEB RNSJASBOT 52680-01 DNEP BAEB			RNS4SS01	RNSIASSO1	52680-02	DED	MEA	10-17-01 10-17-01	27-WOW-04		3
RNSA/SB02 RNSA/SB02 52660-01 DEP BAEB RNSA/MALO2 RNSA/MALO2 52660-07 DEP BAEB RNSA/SB01 RNSA/SB01 52660-02 DMP BAEB RNSA/SB01 RNSA/SB01 52660-01 DMP BAEA RNSA/SB01 RNSA/SB01 52660-01 DMP BAEA RNSA/SB01 RNSA/SB01 52660-01 DMP BAEA RNSA/SB01 RNSA/SB01 52660-01 DMP BAEB RNSA/SB01 RNSA/SB01 52656-05 DMP BAEB RNSA/SB01 RNSA/SB01 52656-05 DMP BAEB RNSA/SB01 SNSA/SB01 52660-01 DMP BAEB RNSA/SB01 SNSA/SB01 52660-01 DMB BAEB RNSA/SB02 52660-01 DMB BAEB RNSA/SB02 SNSA/SB02 52660-01 DMB BAEB RNSA/SB02 SNSA/SB02 SNSA			RNS4SB01	RNS4SB01	52680-03	DEP	Z Z	2 - X			g i
RNSAMAO2 RNSAMAO2 52856-07 DEP BAEB RNSAMAO1 52856-07 DEP BAEB RNSANSO1 RNSANSO1 52856-05 DEP BAEB RNSANSO1 FNSANSO1 52680-02 DMP BAEA RNSANSO1 RNSANSO1 52680-03 DMP BAEA RNSAMAO2 RNSAMAO2 52856-07 DMP BAEB RNSAMAO1 FNSAMAO1 52856-07 DMP BAEB RNSANSO1 RNSAMAO1 52856-05 DMP BAEB RNSANSO1 RNSANSO1 52856-05 DMP BAEB RNSANSO1 RNSANSO1 52680-03 DMP BAEB RNSANSO1 FNSANSO1 52680-01 DMBP BAEB RNSANSO2 52680-01 DMBP BAEB RNSANSO2 52680-01 DMBP BAEB RNSANSO2 52680-01 DMBP BAEB			RNS45B02	RNSLISB02	52680-01	9	PAEA	200	27 101 72		3
RNSARAOT RNSARAOT STAGG-05 DEP BAEA RNSASSOT RNSASSOT 52680-02 DAP BAEA RNSASSOT RNSASSOT 52680-01 DAP BAEA RNSAFANO RNSAFANO 52680-01 DAP BAEA RNSAFANO RNSAFANO 52660-07 DAP BAEB RNSAFANO RNSAFANO 5266-05 DAP BAEB RNSAFASSOT RNSAFANOT 5266-05 DAP BAEB RNSAFASSOT RNSAFANOT 5266-05 DAP BAEB RNSAFSSOT RNSAFSSOT 52680-03 DAP BAEB RNSAFSSOT RNSAFSSOT 52680-03 DABP BAEB RNSAFSSOT RNSAFSSOT 52680-01 DABP BAEB RNSAFSSOT RNSAFSSOT 52680-01 DABP BAEB RNSAFSSOT RNSAFSSOT 52680-01 DABP BAEB RNSAFSSOT RNSAFSSOT 52680-01 DABP BAEB RNSAFSSOT RNSAFSSOT 52680-01 DABP BAEB RNSAFSSOT RNSAFSSOT 52680-01 DABP BAEB RNSAFSSOT SAFSOT		_	RNSI-MO2	RNSLALO?	52856-07				× 8.52.73		9
RNSASSO1 RNSASSO1 52680-02 DHP BAEA RNSASSO1 87680-02 DHP BAEA RNSASSO1 87680-03 DHP BAEA RNSASNAO 52680-03 DHP BAEA RNSASNAO 87680-03 DHP BAEB RNSASNAO 87680-07 DHP BAEB RNSASNO1 8785NAO 52656-07 DHP BAEB RNSASSO1 87680-03 DHP BAEB RNSASSO1 87680-03 DHP BAEB RNSASSO1 87680-01 DHBP BAEB RNSASSO2 87680-01 DHBP BAEA			RNSLAUD1	PASSED 1	7.2854-S			200	× 2.55-21		렬
RNSASBO1 RNSASBO1 52680-02 UPP BAEA RNSASBO1 52680-01 DPP BAEA RNSASBO1 52680-03 DPP BAEB RNSASBO1 FNSASBO1 52680-03 DPP BAEB RNSASBO1 RNSASBO1 52680-03 DPP BAEB RNSASBO1 RNSASBO1 52680-03 DMP BAEB RNSASBO1 FNSASBO1 52680-01 DMBP BAEB RNSASBO2 FNSASBO2 52680-01 DMBP BAEA			PNGACCO	DINCE SECOND				2-0-0-0	13-DEC-96 <		렬
RNSAKSO1 RNSAKSO1 52680-01 DMP RNSAKAO2 RNSAKAO2 52656-07 DMP RNSAKAO1 RNSAKAO1 52656-07 DMP RNSAKSO1 RNSAKAO1 52656-05 DMP RNSAKSO1 RNSAKSO1 52680-03 DMSP RNSAKSO2 RNSAKSO2 52680-01 DMSP			DISTRIBUTO	SHOWS COOL	20-0026	ì	¥	%-NON-6	27-MOV-98 ~		펄
RNSAMUO2 RNSAMUO2 52680-03 DMP RNSAMUO1 RNSAMO1 52856-07 DMP RNSASB01 RNSASB01 52856-05 DMP RNSASB02 RNSASB02 52680-03 DMBP RNSASB02 RNSASB02 52680-01 DMBP		-	AND DESCRIPTION	KNONOBOK	20000		-	19- 10 2-8			Z
RNSAMACZ RNSAMACZ 52856-07 DMP RNSAMACO RNSAMACO 52856-05 DMP RNSASBOT RNSASBOT 52680-03 DMBP RNSASBOZ RNSASBOZ 52680-01 DMBP			KNSKSBU	KNSWSB01	22680-03	<u>.</u>	BAEA	18-NOV-95	27-MOV-96 <		į <u>c</u>
RNSABALO1 RNSABALO1 52856-05 DNP RNSASB01 RNSASB01 52680-03 DNBP RNSASB02 RNSASB02 52680-01 DNBP			KNS-MO2	RNSI-FLOS	52856-07	ŝ	BAEB (X-DEC-98	13-DFC-9K <		{ 5
RNSASBO1 RNSASBO1 52680-03 DNBP RNSASBO2 RNSASBO2 52680-01 DNBP		_	RNSIMO)	RNSIAMO1	52856-05	<u>.</u>	_	13-050-98	13-0-1-08		3 3
RNSASBOZ RNSASBOZ 52680-01 DMBP		_	RNS4/SB01	RNSWSB01	52680-03	ONE.		8-NO-95	27-IIOV-06		4 3
		_	RNSASB02	RNS4SB02	52680-01	OWE		10-IEDV-01	22-127-22		4 9
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RINSE BLANKS

Value Uni	66566666666666666666666666666666666666
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Analysis Date	27-NOV-96 13-DEC-96
Sample Date	19-NOV-96 19-NOV-96 119-NOV-96
Lot	BAEB BAEB BAEB BAEB BAEB BAEB BAEB BAEB
Test	
Lab Number	52880-02 52880-03
IRDMIS Field Sample Number	RNSWSSO1 RNSWMUO1 RNSWMUO1 RNSWMUO1 RNSWSSO1 RNSWMWO1 RNSWMWO1 RNSWMWO1 RNSWMWO1 RNSWMWO1 RNSWMWO1 RNSWMWO1 RNSWMWO1 RNSWMWO1
IRDMIS Site ID	RNSWSSO1 RNSWSSO1
IRDMIS Method Code	SWA T
Contractor Method Description	
Contractor	ABB-ES AB

FT. ALLEN

RINSE BLANKS

RNSASBO1 RNSASBO1 52680-01 NB RNSASBO2 RNSASBO2 F2680-01 NB RNSASBO2 RNSASBO2 52680-01 NB RNSASBO1 RNSASBO1 52680-02 NB RNSASBO1 RNSASBO1 52680-02 NB RNSASBO1 RNSASBO1 52680-02 NB RNSASBO1 RNSASBO2 RNSASBO2 F2680-01 NBDPA RNSASBO1 RNSASBO2 F2680-01 NBDPA RNSASBO1 RNSASBO2 F2680-01 NBDPA RNSASBO1 RNSASBO2 F2680-01 NBDPA RNSASBO1 RNSASBO2 F2680-01 NBDPA RNSASBO1 RNSASBO2 RNSASBO2 F2680-02 NBDPA RNSASBO1 RNSASBO2 RNSASBO2 RNSASBO2 RNSASBO2 RNSASBO2 RNSASBO2 RNSASBO2 RNSASBO2 RNSASBO2 F2680-01 PHANTR RNSASBO1 RNSASBO1 52660-01 PHANTR RNSASBO1 RNSASBO1 52660-01 PHANTR RNSASBO1 RNSASBO1 52660-01 PHANTR RNSASBO1 RNSASBO1 52660-02 PHANTR RNSASBO1 RNSASBO2 FNSARSBO2 RNSASBO2 FNSARSBO2 RNSASBO2 FNSARSBO2 RNSASBO2 FNSARSBO2 RNSASBO2 FNSARSBO2 FNSARSBO2 FNSARSBO2 FNSARSBO2 RNSASBO2 FNSARSBO2 RNSARSBO2 FNSARSBO2 FNSAR	Contractor Method Description	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Semple Number	Lab	Test Name	Lot	Sample Date	Analysis Date <	Value Unit	¥
NUMBERSON NUMBERSON SEGREGOR SEGREG	AB8-ES	SATV.1	RNS4/SB01	RNSWSB01	52680-03	9	BAEA	18-NOV-96	27-MOV-96 <	31.01	:_
NUMBRESON NUMBRESON 22856-105 NR PARE 10-1007-05 27-NUV-96 10-1007-06 10-	AB8-ES		RNSWSB02	RNSWSB02	52680-01	9	BAEA	19-KDV-95	27-MOV-96 <		<i>_</i> _
NUSAMACO NUSAMACO 25256-07 BB BARE B G-EC-96 13-DEC-96	ABB-ES		RNS4SS01	RNSWSS01	52680-02	9	B EA	19-MOV-96	27-NOV-96 <		
MISSARGO NISSARGO 25680-CG MINDRA BACA 18-MV-96 27-MV-96 10-MV-96 18-MV-96 10-MV-96 10-	768-E3		RNSH MOS	RNSIMIOS	52856-07	£	BAEB	×	13-DEC-96 <	15 C	
MISSASO	A86-E5		RESIDENCE.	RESIDENCE OF	52856-05	2	BAEB	X	13-DEC-96 <	5 C	
NUMBERS NUMBERS SEABO-OT MININFA NAEA 19-100-96 27-100-96	A66-ES		RESUSBO1	RNSI/SB01	52680-03	MONDA	BAEA	8	27-MOV-96 <	25	
NESSANG NESSANG SECREGO IN NONPA NAEM 19-107-96 27-107-96 10-107-96	ABB-ES		RNS45S01	RNS4SS01	52680-02	-	BAEA	8	27-MOV-95 A	25	ـ د
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RISHSBOT RISHSBOT S2600-03 NINDPA BAEA 19-100-96 27-NOV-96 10	ABB-ES		RNSI-MIOT	RNSLALOI	52856-05	-	BAEB	03-DEC-96	13-06-98	25	
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NY NY NY NY NY NY NY NY NY NY NY NY NY	ABB-ES		RNS4SS01	RNSLSS01	52680-02	-	BAEA	19-MOV-96	27-MOV-06 <	25	
NYSAMAO	A86-ES		RNSI/SB02	RNS4SB02	52680-01	-		19-KDV-96	27-MOV-96 <	2 5	
RISAMAD RISSBALD S2856-05 MDPA BAER 03-DEC-96 13-DEC-96 15-DEC-96	ABB-ES		RNSIPPOS	RNSIMTOS	52856-07			04-DEC-98	13-050-06	25	
RINSLAND RINSLAND S2680-03 PCP BAEA 19-NOV-96 27-NOV-96 255	ABB-ES		RNSIPP.01	RNSI-FLO1	52856-05	-		13-DEC-92	14-PEC-06 /	2 5	
RISSERIO RISSERIO 52680-07 PCP BAEA 19-NOV-96 27-NOV-96 25 PORT RISSERIO RISSERIO 52680-07 PCP BAEB 03-DEC-96 25 PORT RISSERIO RIS	A68-ES		RNSWSB01	RNSLSB01	52680-03		ME	18-K2-81	2-12-2-22-25 S	3 S	
RISARBOZ RISARBOZ 52660-07 PCP BAZE 19-100V-96 27-100V-96	ABB-ES		RNS4SS01	RNSLSS01	52680-02		A A	5 - N	22-12	3 2	
RISHMAD2 RISHMAD2 52856-07 PCP BAEB 04-DEC-96 13-DEC-96 25 RISHMAD01 RISHMAD01 52266-03 PHANTR BAEA 19-WO-96 27-MOV-96 4 110 RISHMSB01 RISHMSB02 52680-01 PHANTR BAEA 19-WOV-96 27-MOV-96 4 110 RISHMSB01 RISHMSB02 52680-01 PHANTR BAEA 19-WOV-96 27-MOV-96 4 110 RISHMSB01 RISHMSB01 52680-01 PHANTR BAEA 19-WOV-96 27-MOV-96 4 110 RISHMSB01 RISHMSB01 52680-01 PHENOL BAEA 19-WOV-96 27-MOV-96 4 110 RISHMSB01 RISHMSB01 52680-01 PHENOL BAEA 19-WOV-96 27-WOV-96 4 110 RISHMSB02 RISHMSB01 52680-01 PHENOL BAEA 19-WOV-96 27-WOV-96 4 110 RISHMSB01 RISHMSB01 52680-01 PHENOL BAEA 19-WOV-96 27-WOV-96 4 110 RISHMSB01 RISHMSB01 52680-01 PHENOL BAEA 19-WOV-96 27-WOV-96 4 110 RISHMSB01 RISHMSB01 52680-01 PHENOL BAEA 19-WOV-96 27-WOV-96 4 110 RISHMSB01 RISHMSB01 52680-01 PYR BAEA 19-WOV-96 27-WOV-96 4 110 RISHMSB01 RISHMSB01 52680-01 PYR BAEA 19-WOV-96 27-WOV-96 4 110 RISHMSB01 RISHMSB01 52680-01 PYR BAEA 19-WOV-96 27-WOV-96 4 110 RISHMSB01 RISHMSB01 52680-01 PYR BAEA 19-WOV-96 27-WOV-96 4 110 RISHMM01 RISHMSB01 52680-01 PYR BAEA 19-WOV-96 27-WOV-96 4 110 RISHMM01 RISHMM01 52856-07 PYR BAEA 19-WOV-96 27-WOV-96 4 110 RISHMM01 RISHMM01 52856-07 PYR BAEB 04-DEC-96 13-DEC-96 4 110 RISHMM01 RISHMM01 52856-07 PWR BAEB 04-DEC-96 13-DEC-96 4 110 RISHMM01 RISHMM01 52856-07 UNCSG1 BAEB 03-DEC-96 13-DEC-96 4 110 RISHMM01 RISHMM01 52856-07 UNCSG1 BAEB 03-DEC-96 13-DEC-96 3 3	ABB-ES		RNSWSB02	RNSWSB02	52680-01		¥.	\$ -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	27-E206	2 X	
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RNSARAU2 RNSARAU2 52856-07 PHANTR BAEB 04-DEC-96 13-DEC-96 17 PHANTR BAEB 03-DEC-96 17 PHANTR BAEB 03-DEC-	A88-E S		RNS45S01	RNSIASSO1	52680-02	PHANTR	A P	10-EX-5	22-M24-04	5 5	
RISASBOT RISASBOT SZ680-03 PIEKOL BAEA 18-NOV-96 27-NOV-96 1	ABB-ES		RNSLP LOS	RNSI-FLO2	52656-07	PHANTR	Ä	7-1-K-1-K-1-K-1-K-1-K-1-K-1-K-1-K-1-K-1-	14-DEC-06	25	
RNSASSO1 RNSASSO1 52680-03 PIEROL BAEA 18-NOV-96 27-NOV-96 10 RNSASSO1 RNSASSO1 52680-03 PIEROL BAEA 19-NOV-96 27-NOV-96 10 RNSASSO1 RNSASSO1 52680-01 PIEROL BAEA 19-NOV-96 27-NOV-96 10 RNSASSO1 RNSASSO1 52856-07 PIEROL BAEB 03-DEC-96 13-DEC-96 10 RNSASSO1 RNSASSO1 52680-03 PYR BAEA 19-NOV-96 27-NOV-96 10 RNSASSO1 RNSASSO1 52680-03 PYR BAEA 19-NOV-96 27-NOV-96 10 RNSASSO1 RNSASSO1 52680-03 PYR BAEA 19-NOV-96 27-NOV-96 10 RNSASSO1 RNSASSO1 52680-01 PYR BAEA 19-NOV-96 27-NOV-96 10 RNSASSO1 RNSASSO1 52680-01 PYR BAEA 19-NOV-96 27-NOV-96 10 RNSASSO1 RNSASSO1 52680-01 PYR BAEA 19-NOV-96 27-NOV-96 10 RNSASSO1 RNSASSO1 52680-01 PYR BAEA 19-NOV-96 27-NOV-96 10 RNSASSO1 RNSASSO1 52680-01 PYR BAEA 19-NOV-96 27-NOV-96 10 RNSASSO1 RNSASSO1 52680-01 PYR BAEB 03-DEC-96 10 RNSASSO1 RNSASSO1 52680-01 PYR BAEB 03-DEC-96 13-DEC-96 10 RNSASSO1 RNSASSO1 52680-05 RNS	ABB-ES		RNSLALO1	RNS4401	52856-05	PHANTE	A	74-PE02	13.05.04		
RNSASSO1 RNSASSO1 52680-02 PHENOL BAEA 19-NOV-96 27-NOV-96 10 PHENOL RASSO1 RNSASSO2 52680-01 PHENOL BAEA 19-NOV-96 27-NOV-96 10 PHENOL RNSASSO1 RNSASSO1 52680-05 PHENOL BAEB 04-DEC-96 13-DEC-96 10 PHENOL RNSASSO1 RNSASSO1 52680-03 PYR BAEA 19-NOV-96 27-NOV-96 10 PHENOL RNSASSO1 RNSASSO2 52680-03 PYR BAEA 19-NOV-96 27-NOV-96 10 PHENOL RNSASSO1 RNSASSO2 52680-01 PYR BAEA 19-NOV-96 27-NOV-96 10 PHENOL RNSASSO1 RNSASSO2 52680-01 PYR BAEA 19-NOV-96 27-NOV-96 10 PHENOL RNSASNALO2 S2856-05 PYR BAEB 04-DEC-96 13-DEC-96 10 PHENOL RNSASNALO2 52856-05 PYR BAEB 04-DEC-96 13-DEC-96 10 PHENOL RNSASNALO2 52856-05 UNK537 BAEB 03-DEC-96 13-DEC-96 13-DEC-	ABB-ES		RNSWSB01	RNSIASB01	52680-03	PHEND	A P	18-10V-8	27-MOV-0K		
RNSJARJOZ RNSJARJOZ SZEŚG-07 PHENOL BAEA 19-NZV-96 27-NZV-96 100 RNSJARJOZ RNSJARJOZ SZEŚG-07 PHENOL BAEB GG-DEC-96 13-DEC-96 100 RNSJARJOZ RNSJARJOZ SZEŚG-07 PHENOL BAEB GG-DEC-96 13-DEC-96 100 RNSJARJOZ RNSJASDOZ RNSJARJOZ R	A68-ES		RNS4SS01	RNSLSS01	52680-02	PHEND	RAFA	9-KV-0	27-MOV-06 /		
RNSARAO2 RNSARAO2 S2856-07 PIEROL BAEB 04-DEC-96 13-DEC-96 1	ABB-ES		RNSNSB02	RNS4SB02	52680-01		A P	10-M	27-M-72	3 5	
RNSASSO1 RNSASSO1 52856-05 PIENOL BAEB 03-0EC-96 13-DEC-96 10 PNR RNSASSO1 RNSASSO1 52680-03 PVR BAEA 19-NOV-96 27-NOV-96 10 RNSASSO1 RNSASSO1 52680-01 PVR BAEA 19-NOV-96 27-NOV-96 10 RNSASAG02 RNSASSO1 52856-05 PVR BAEB 03-DEC-96 13-DEC-96 10 RNSASAG01 RNSASAG01 52856-05 PVR BAEB 03-DEC-96 13-DEC-96 10 RNSASAG01 RNSASAG01 52856-05 UNK537 BAEB 03-DEC-96 13-DEC-96 10 RNSASAG01 RNSASAG01 52856-05 UNK553 BAEB 03-DEC-96 13-DEC-96 10 RNSASAG01 RNSASAG01 S2856-05 UNK553 BAEB 03-DEC-96 13-DEC-96 13	ABB-ES		RNS44402	RNS-MO2	52856-07		PAFE	K-PEC-96	12-PEC-06 /		
RNSASBO1 RNSASBO1 52680-03 PYR BAEA 18-000-96 27-000-96 10 RNSASBO2 RNSASBO2 52680-01 PYR BAEA 19-000-96 10 RNSASBO2 RNSASBO2 52680-01 PYR BAEB 03-000-96 13-000-96 10 RNSASBO2 RNSASBO2 52680-01 PYR BAEB 03-000-96 13-000-96 10 RNSASBO2 RNSASBO2 52680-05 PYR BAEB 03-000-96 13-000-96 10 RNSASBO2 RNSASBO2 52680-05 UNICS63 BAEB 03-000-96 13-000-96 3 RNSASBO2 RNSASBO2 FNSASBO2 FNSASBO2 FNSASBO3 FNSASBO3 FNSASBO2 FNSASBO3	AB8-ES		RNS.P.O.1	RNSIALO	52856-05		Z Z	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11-050-06	2 5	
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RNSASBOZ RNSASBOZ SZ680-01 PYR BAEA 19-NV9-56 27-NV9-56 10 RNSAMAOZ RNSAMAOZ SZ686-07 PYR BAEB 04-DEC-96 13-DEC-96 10 RNSAMAOZ RNSAMAOZ SZ856-05 PYR BAEB 03-DEC-96 13-DEC-96 10 RNSAMAOZ RNSAMAOZ SZ856-07 UMKS53 BAEB 03-DEC-96 13-DEC-96 2 RNSAMAOZ RNSAMAOZ SZ856-07 UMKS63 BAEB 03-DEC-96 13-DEC-96 2 RNSAMAOZ RNSAMAOZ SZ856-07 UMKS63 BAEB 03-DEC-96 13-DEC-96 3 RNSAMAOZ RNSAMAOZ SZ856-05 UMKS63 BAEB 03-DEC-96 13-DEC-96 3 2 RNSAMAOZ RNSAMAOZ SZ856-05 UMKS63 BAEB 03-DEC-96 13-DEC-96 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	A88 -ES		PNSL/SC01	PWCLSCO1	52480-03			2 2	OK-1511-17	2	
RNSJANJO RNSJANJO 52856-07 PTR BAEB 04-DEC-96 < 10 RNSJANJO1 RNSJANJO1 52856-05 PYR BAEB 03-DEC-96 13-DEC-96 < 10 RNSJANJO1 RNSJANJO1 52856-05 UNKS37 BAEB 03-DEC-96 13-DEC-96 < 10 RNSJANJO1 RNSJANJO1 52856-07 UNKS63 BAEB 04-DEC-96 13-DEC-96 3 RNSJANJO1 RNSJANJO1 52856-05 UNKS63 BAEB 03-DEC-96 13-DEC-96 3 RNSJANJO1 RNSJANJO1 52856-05 UNKS63 BAEB 03-DEC-96 13-DEC-96 3	A88-ES		RNS4SB02	RNS-ISB02	2,580-0-0			2	25-754-75 27-150-75	200	_
RNSJANOT RNSJANOT 52856-05 PYR BAEB 03-DEC-96 (1-0) 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0	A88-ES		RNS.BA.D2	PHOLESTO	52856-07				24 - MON - 12	2	
RNSJAMO1 RNSJAMO1 52856-05 UNKS63 BAEB 03-DEC-96 13-DEC-96 2 RNSJAMO1 RNSJAMO1 52856-07 UNKS63 BAEB 04-DEC-96 13-DEC-96 3 RNSJAMO1 RNSJAMO1 52856-05 UNKS63 BAEB 03-DEC-96 13-DEC-96 2	A88-ES		RNS-PALO1	DAS PERO	7.78.6.P.			2	13-0EC-30 <	2	
RNSJAMO2 RNSJAMO2 52856-07 UNK563 BAEB 04-DEC-96 13-DEC-96 3 RNSJAMO1 RNSJAMO1 52856-05 UNK563 BAEB 03-DEC-96 13-DEC-96 2	ABB-ES		PUSTERO	PNSTALD	7.785.A	1 me/527		R-120-02	2-04-5	년 2	
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	ABB-ES		DISCLESS OF	DWC PE DA	20000			2-nec-2	13-DEC-96	න් ත	
			Om monv	- Caramonu	35030-03	COCYMO		3-DEC-30	13-DEC-96	න ද	

SEMIVOLATILE SURROGATES

Percent Recovery	58.7 58.7 60.0 772.0 772.0 88.3 87.7 82.7 73.8 73.8	62.0 62.0 62.0 62.0 62.0 62.0 63.0 64.0 64.0 64.0 64.0	66.7 74.7
Value Unit	24444444444444444444444444444444444444	23.28.28.29.29.29.29.29.29.29.29.29.29.29.29.29.	50 UGL 56 UGL
Spike Value	<i>የዩዩዩዩዩዩዩዩዩ</i> ዩ	2222222222222	кк
e Analysis Date	19-NOV-96 27-NOV-96 19-NOV-96 27-NOV-96 13-DEC-96 18-DEC-96 18-DEC-96 18-DEC-96	V-96 27-NOV-96 V-96 27-NOV-96 V-96 27-NOV-96 C-96 13-DEC-96 C-96 13-DEC-96 C-96 13-DEC-96 C-96 13-DEC-96 C-96 13-DEC-96 T-NOV-96 18-DEC-96 18-DEC-96	V-96 27-NOV-96 V-96 27-NOV-96
Sample Lot Date	BAEA 1 BAEA 1 BAEA 1 BAEA 1 BAEA 1 BAEB 0 BABB 0 BAEB 0 BABB 0 BA	BAEA 19-NOV-96 BAEA 19-NOV-96 BAEB 14-NOV-96 BAEB 04-DEC-96 BAEB 03-DEC-96 BAEB 04-DEC-96 BAEB 04-DEC-96 BAEB 04-DEC-96 BAEB BAEB BAEB	BAEA 19-NOV-96 BAEA 19-NOV-96
Lab Number	52680-01 52680-02 52680-03 52856-01 52856-03 52856-04 52856-04 52856-04 52856-04 8AEA-851 8AEA-852 8AEB-851 8AEB-851	52680-01 52680-02 52680-03 52856-01 52856-02 52856-04 52856-04 52856-05 52856-07 868-881 8468-881	52680-01 52680-02
IRDMIS Field Sample Number	RNSWSBOZ RNSWSBO1 RNSWSBO1 MO30126X MO80120X MO90113X RNSWMJO1 RNSWMJO2	RNSWSBOZ RNSWSSO1 RNSWSBO1 MO3O126X MO3O120X MO9O113X RNSWMMO1 RNSWMMO2	RNSWSB02 RNSWSS01
IRDMIS Site ID	RNSWSBO2 RNSWSSO1 MN-03-07 MN-03-07 MN-08-01 MN-09-01 RNSWMNO2	RNSWSBOZ RNSWSSO1 RNSWSBO1 MW-03-01 MW-09-01 MW-09-01 RNSWMWO1 RNSWMWO2	RNSWSB02 RNSWSS01
Test Name	24618P 24618P	2FBP 2FBP 2FBP 2FBP 2FBP 2FBP 2FBP 2FBP	2FP 2FP
IRDMIS Method Code	SMV1 SMV1 SMV1 SMV1 SMV1 SMV1 SMV1 SMV1	SMV1 SMV1 SMV1 SMV1 SMV1 SMV1 SMV1 SMV1	SMV1 SMV1
contractor Method Description	**************************************	25 25 25 25 25 25 25 25 25 25 25 25 25 2	3-ES 3-ES
Contractor Metho	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES

Table: Appendix K
SENIVOLATILE SURROGATES

ABB-ES AB	MS-MSB01 RMS-MSB01 44-03-01 M030126X 44-03-01 M030125X 44-03-01 M030113X 44-03-01 M030113X MS-MSB02 RMS-MSB02 MS-MSB02 RMS-MSB02 MS-MSB02 RMS-MSB02 MS-MSB01 RMS-MSB01 MS-MSB01 br>MS-MSB01 MS-MS-MSB01 MS-MSB01 MS-MSB01 MS-MSB01 MS-MSB01 MS-MSB01 MS-MS-MS-MS-MS-MS-MS-MS-MS-MS-MS-MS-MS-M	52650-03 RAES 52656-02 RAES 52656-03 RAES 52	6	27-804-% 13-0EC-% 13-	<i>EKEKEKEKE</i>	38.42.42.42.22 XXXXXXXXX44X3	<u> </u>
ABB-ES SAV1 TRPD14 RNSNSB02 ABB-ES SAV1 TRPD14 RNSNSS01 ABB-ES SAV1 TRPD14 RNSNSB01 ABB-ES SAV1 TRPD14 RNSNSB01	02 RWSMSB02 01 RWSMSS01 01 RWSMSB01 01 PW30126X	52690-01 BAEA 52690-02 BAEA 52680-03 BAEA 52856-01 BAEB	19-104-96 19-104-96 18-104-96 04-DEC-96	27-10V-96 27-10V-96 27-10V-96 13-0EC-96	2222		명 명 명 1 8 2 2 2 1 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

Table: Appendix K

MIVOLATILE SURROGATES	
SEMIV	

		Value Unit	28 VGL 28 VGL 28 VGL 36 VGL 47 VGL 41 VGL 41 VGL 42 VGL 43 VGL 44 VGL 45 VGL	1.6 UGG 1.1.2 UGG 1.1.3 UGG 1.1.4 UGG 1.1.4 UGG 1.1.4 UGG 1.1.7 UGG 1.1.7 UGG 1.1 UGG 1.1 UGG 1.1 UGG	1.1 UGG
		Spike Value	88888888	งง+งงงงจงจงจงจงจง พัพษณ์พัพพัพพัพพัพพัพพัพพัพ	1.7
		Analysis Date	13-DEC-96 13-DEC-96 13-DEC-96 13-DEC-96 13-DEC-96 27-NOV-96 27-NOV-96 18-DEC-96	16-DEC-96 16-DEC-96 16-DEC-96 16-DEC-96 16-DEC-96 18-DEC-96 18-DEC-96 18-DEC-96 16-DEC-96 16-DEC-96 16-DEC-96 16-DEC-96	16-DEC-96
		Sample Date	04-DEC-96	19-NOV-96 19-NOV-96 19-NOV-96 118-NOV-96 119-NOV-96 19-NOV-96 19-NOV-96 19-NOV-96 18-NOV-96 18-NOV-96	52678-01 BSBS 19-NOV-96 16-DEC-96
GATES		Lot	BAEB BAEB BAEB BAEB BAEB BAEB BAEB	858 8585 8585 8585 8585 8585 8585 8585	SSBS
SEMIVOLATILE SURROGATES	FT. ALLEN	Lab Number	52856-03 52856-03 52856-04 52856-04 52856-05 52856-07 8468-851 8468-851 8468-851	52678-01 52678-02 52678-04 52678-04 52678-06 52678-06 52678-10 52678-11 52678-11 52678-11 52678-11 52678-11 52678-11 52678-11 52678-11 52678-11 52678-11	52678-01
SEMIVOLA	u.	IRDMIS Field Sample Number	M030222X M080120X M090113X RNSWMJ01 RNSWMJ02	B080112X B080212X BM90112X BM901312X B090412X SLE0101X SLE0101X SCW011X SCW0101X SCW0101X SCW0101X SCW01X SCW01X	B080112X
		IRDMIS Site ID		SB-08-01 SB-M9-01 SB-M9-01 SB-M9-03 SS-M-01 SS-M-01 SS-M-01 SS-M9-01 SS-M9-01 SB-09-02	SB-08-01
		Test Name	TRP014 TRP014 TRP014 TRP014 TRP014 TRP014 TRP014 TRP014 TRP014 ************************************	24618P 24618P	2FBP
		IRDMIS Method Code	S SWV1	SMV2 SMV2 SMV2 SMV2 SMV2 SMV2 SMV2 SMV2	SMV2
		Contractor Method Description		ស្រី ស្រី ស្រី ស៊ី ស៊ី ស៊ី ស៊ី ស៊ី ស៊ី ស៊ី ស៊ី ស៊ី ស៊	S
		Contrac	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES

788.0 788.0 788.0 748.0 748.0 748.0 748.0 748.0 748.0 748.0 748.0 748.0 748.0 748.0 748.0 748.0 748.0

Percent Recovery 76.0 56.0 72.0 94.0 100.0 88.0 88.0 88.0 82.0 82.0 96.0

Table: Appendix K SEMIVOLATILE SURROGATES

LATILE SURRO FT. ALLEN

ABB-ES	Hethod Code	Test Name	IRDMIS Site 10	See See See See See See See See See See	Feb Page Page	<u>ه</u> ه و	Sample Date	Analysis Date	Spike Value	Value Unit	Percent Recovery
	245	2FBP	23 28 38	BOB0212X	52678-02		19-NON-95	16-DEC-96	1.7	500 1	5.85
			- A	X21106			- <u>-</u> -8	16-DEC-96	1.7	- 3	50.00
				X201014		200	19-15V-9	16-DEC-98	1.7	99	50.00
			3-5-5	807US12X			2-E2-8	16-DEC-98	1.7		20.6
	745	4	3-6-17	2000			2- <u>12</u> -8	16-DEC-96	1.7		8.87
	7/45	24.00	SS-LE-01	SLE0101X			2-KD4-6	16-DEC-96	1.7		27.6
	7	2 12	SS-LE-02	SLE0201X			2-ADI-6	18-bec-96	1.7		5
		25.00	25-07-01	scuototx			\$-5ª-	18-DEC-96			3
	244.5	2500	28-14-01 10-14-20	S14. 0102X			-12-8	18-DEC-96	1.7		
	2/45	ZFIP	SS-00-01	\$090101X			- 1 2-8	18-DEC-96	1.7	201 Z	57.1
	ZALAS	ZFIRP	22-60-83 32-60-83	\$090201X			-101-9	16-DEC-96	1.7		2
	246	ZFED ZFED	28-19-01	\$1010@RS		5	- KO 8	18-DEC-92			22
	SARS	ZFEP	10-60- 55	B090112x			2	14-PEC-04	•		ņ.
	ZAR2	2580	20-00-55	AC1200				2 - 13 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 -	:!		D .
	3	200	}				24-25	Q-120-61	· ·		9.0
·					2	2		10-DEC-30	1.7		<u>.</u>
	4	*********			721-125			16-DEC-98	1.7		50.0
		Ş								•	
		minim.									Z.
		m X									10.0
	SWZ		10-03-05	VC11040	K2K78-01		70-70-7	70 000		•	;
	2	20.	8		20,000		2	10-DEC-30	<u>د.</u>	2.7	99
	2		3 9	120			R	2-130-61 2-130-61	?;	990	2.0
	3		20-PG-05				2		5.5	250	8
	3		5 8				ρ:	20-DEC-32	2.5	 	2.0
					9-9/9-6		•	16-DEC-98	2.5	1.4 UGG	26.0
			5-5-7		29-29-08		ø	16-DEC-98	2.5	1.6 USG	3
	745		SS-LE-01	SCE0101X	2828-07		ø	16-DEC-96	2.5	1.7 uns	5
	ZALAS		SS-1E-02	SLE0201X	52678-08		ø	18-DEC-96	5.5	2 2	3
	2 4 45		SS-C4-01	SCL0101X	52678-09		10	18-DEC-96	;	2 7	82
	246		SS-14-01	S440102X	52678-10		4	18-her-04	; c		8:
	2465		SS-09-01	Spontoty	5XX-11		9	10-DEC-70	۲., د	20.	3
	CARS.		20-00-85	Syphony v	5,47			8-12-01 4-12-07	Ç	 	8
	2		- Se83	SECONDARY			D s	10-DEC-30	C :	 	5
			28	¥ 2000	21-0/8/2		٥,	18-DEC-38	5.5	 	52.0
			58		1-9/90		8-7-	16-DEC-96	2.5	1.5 USS	0.09
			3-43-88	X2120X08	52678-15 8		\$-X	16-DEC-96	2.5	2.6 UGS	104.0
	245	ZFP			BSBS-BS1 B			16-DEC-96	2.5	1.5 use	8
	ZWS	ZFP			BSBS-BS5 B	Ses		16-DEC-96	2.5	551 7	3

Table: Appendix K

SEMIVOLATILE SURROGATES

Percent Recovery	64.5 72.0 104.0	58.8 58.8 54.7	20 20 20 20 20 20 20 20 20 20 20 20 20 2	583.8 583.8 583.8 54.7 54.7 68.8 68.8	588.5 588.5 58.5 5.5 5.5 5.5 5.5 5.5 5.5
Value Unit		1.1 UGG		1 UGG 92 UGG 92 UGG 1 UGG 1 UGG 93 UGG 93 UGG	1.3 UGG 1.5 UGG 1.1 UGG 1.1 UGG 1.1 UGG 1.1 UGG 1.2 UGG
Spike Value		7.7.7			
Analysis Date		16-DEC-96 16-DEC-96 16-DEC-96	16-DEC-96 16-DEC-96 18-DEC-96	18-05-96 18-05-96 18-05-96 16-05-96 16-05-96 16-05-96 16-05-96	16-DEC-96 16-DEC-96 16-DEC-96 16-DEC-96 16-DEC-96 116-DEC-96 118-DEC-96 118-DEC-96
Sample Date	1 1 1 1 1 1 1 1	19-NOV-96 19-NOV-96 19-NOV-96	18-NOV-96 19-NOV-96 19-NOV-96		19-NOV-96 19-NOV-96 19-NOV-96 118-NOV-96 118-NOV-96 19-NOV-96 19-NOV-96
Ę	:		BSBS BSBS BSBS BSBS	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8585 8585 8585 8585 8585 8585 8585 858
Lab Number	; ; ; ; ; ;	52678-01 52678-02 52678-03 52678-03	52678-05 52678-05 52678-06 52678-07	52678-09 52678-10 52678-11 52678-12 52678-13 52678-14 52678-15 888S-881 888S-881	52678-01 52678-02 52678-03 52678-04 52678-04 52678-08 52678-09 52678-09 52678-10
IRDMIS Field Sample Number		BO80112X BO80212X BM90112X BPH0107X	B090312X B090412X SLE0101X SLE0201X	SCW0101X SWW0102X SOW0101X SOW0101X SW90101X BO90212X	B080112X B080212X BM90112X BM90112X B090412X SLE0101X SLE0201X SCW0101X SWW0102X SO90101X
IRDMIS Site ID		SB-08-01 SB-08-02 SB-M9-01 SB-PH-01	SB-09-03 SB-09-04 SS-LE-01 SS-LE-02	SS-KH-01 SS-WH-01 SS-09-01 SS-W9-01 SS-W9-01 SB-09-01 SB-09-02	SB-08-01 SB-08-02 SB-08-02 SB-09-03 SB-09-03 SS-08-07 SS-08-01 SS-09-01
Test	******** avg minimum maximum	NBD5 NBD5 NBD5 NBD5	NBD5 NBD5 NBD5	NBD5 NBD5 NBD5 NBD5 NBD5 NBD5 NBD5 NBD5	minimum maximum TRPD14 TRPD14 TRPD14 TRPD14 TRPD14 TRPD14 TRPD14
IRDMIS Method Code		SMV2 SMV2 SMV2 SMV2	SMV2 SMV2 SMV2	SAV2 SAV2 SAV2 SAV2 SAV2 SAV2 SAV2	SWV2 SWV2 SWV2 SWV2 SWV2 SWV2 SWV2 SWV2
Contractor Method Description		ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES

SEMIVOLATILE SURROGATES

Percent Recovery	484544 685 727-377 423
Value Unit	2 UGG 1.1 UGG 1.1 UGG 1.1 UGG 1.1 UGG
Spike Vetue	
Anelysis Date	16-DEC-98 16-DEC-98 16-DEC-98 16-DEC-98 16-DEC-98
Sample Date	19-1004-96 18-1004-96 18-1004-96
Į.	: 8888 8888 8888 8888 8888 8888 8888
Leb Number	526.78-12 526.78-14 526.78-14 526.78-14 526.78-15 8885-881
IRONIS Field Sample Number	S090201X SW90101X B090112X B090212X
IRDHIS Site ID	88-09-01 88-09-01 88-09-01
Test Name	TRP014 TRP014 TRP014 TRP014 TRP014 TRP014 TRP014 TRP014 TRP014
IRDMIS Method Code	SAV2 SAV2 SAV2 SAV2 SAV2 SAV2 SAV2 SAV2
or Method Description	

Table: Appendix K VOLATILE SURROGATES

Contractor Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	lot Lot	Sample Date	Analysis Date	Spike Value	Value Unit	Percent Recovery
ABB-ES ABB-ES ABB-ES ABB-ES	VMS1 VMS1 VMS1	120c04 120c04 120c04 120c04			VAFW-BS1 VAFW-BS2 VAFX-BS1 VAFX-BS2			12-DEC-96 12-DEC-96 14-DEC-96 14-DEC-96	5555	9.3 UGL 9.5 UGL 9.5 UGL 9.6 UGL	93.0 95.0 95.0 96.0
		avg minimum maximum									94.8 93.0 96.0
ABB-ES ABB-ES ABB-ES ABB-ES	VMS1 VMS1 VMS1	48FB 48FB 48FB 48FB ********			VAFW-BS1 VAFW-BS2 VAFX-BS1 VAFX-BS2	WAFE WAFE		12-DEC-96 12-DEC-96 14-DEC-96 14-DEC-96	5555	11 46 10 46 10 46 10 46	100.0 110.0 100.0
		avg minimum maximum								i	102.5 100.0 110.0
ABB-ES ABB-ES ABB-ES ABB-ES	VMS1 VMS1 VMS1	MEC608 MEC608 MEC608 MEC608			VAFW-BS1 VAFW-BS2 VAFX-BS1 VAFX-BS2	VAFW VAFW VAFX		12-DEC-96 12-DEC-96 14-DEC-96 14-DEC-96	5555	11 VGL 11 VGL 10 VGL	110.0 110.0 10.0
		avg minimum maximum						•		i	107.5 100.0 110.0



GRO/DRO VALIDATION REPORT AND DRO CHROMATOGRAMS

GRO/DRO DATA VALIDATION REPORT

DATA VALIDATION REPORT MODIFIED USEPA METHOD 8015A FOR GRO/DRO SITE INSPECTION REPORT FORT ALLEN, JUANA DIAZ, PUERTO RICO

Introduction: The purpose of this report is to summarize data validation procedures and actions for review of data generated using Modified USEPA Method 8015A for gasoline range hydrocarbons (GRO) and diesel range hydrocarbons (DRO).

Holding Times. All analytical data sets were reviewed for compliance to analytical and technical holding times. All analytical samples were extracted and/or analyzed within accepted holding times for both the DRO and GRO analyses.

Sample results in groups 9890-25 and 9890-39, for DRO analysis and, 9890-24 and 9890-32, for GRO analysis, were notated with a V"to indicate that the samples were received at the laboratory with a temperature exceeding the preservation criteria of \leq 4°C. Cooler temperatures ranged from seven degrees to 14°C. This was not interpreted to have had a significant impact on results and no additional qualification of results was conducted.

Initial Calibration. Initial calibrations for the DRO analysis were reviewed for incorporation of the method required calibration levels, minimum Relative Response Factor (RRF) requirements, and Percent Relative Standard Deviation (%RSD) for the RRFs in the initial calibration. All initial calibrations showed utilization of the required calibration levels, RRFs greater than 0.05 and, %RSD values <20%.

Initial calibrations for the GRO analysis were reviewed for incorporation of the method required calibration levels, minimum Relative Response Factor (RRF) requirements, and Percent Relative Standard Deviation (%RSD) for the RRFs in the initial calibration. All initial calibrations showed utilization of the required calibration levels, RRFs greater than 0.05 and, %RSD values <20%.

Continuing Calibration. Continuing calibrations were analyzed for the DRO analysis at the mid-point level of 2500 μ g/mL. All continuing calibrations were \leq 15% Difference.

Continuing calibrations were analyzed for the GRO analysis at the mid-point level of 200 μ g/L. All continuing calibrations were \leq 15% Difference.

Method Blank. Method blanks were analyzed for both the DRO and GRO methods after the initial or continuing calibration standards run and, prior to the analysis of samples. All method blanks analyzed were less than the reporting limits for any target compounds in both the DRO and GRO analyses.

Surrogate Spikes. All samples analyzed for DRO were spiked with σ -Terphenyl at a final concentration of 20 μ g/mL prior to the extraction step of the method. The surrogate recoveries for all samples analyzed were within laboratory generated control limits, except for sample SS-M9-01(052678-0013-SA). The surrogate recovery for this sample was less than laboratory generated control limits. This sample was diluted 1:10 prior to analysis to bring the quantitation concentration within the calibration range of the instrument. No additional qualification of results is recommended due to the level of dilution.

All samples analyzed for GRO were spiked with 1-Chloro-4-fluorobenzene, Internal Standard (IS) and, α,α,α -Trifluorotoluene (TFT) surrogate at a concentration of 30 μ g/L prior to analysis. The surrogate recoveries for all samples analyzed were within method acceptance criteria.

Matrix Spikes/Matrix Spike Duplicates. Samples submitted were not specified for analysis of Matrix Spike/Matrix Spike Duplicates (MS/MSD). Samples were selected, by the laboratory for MS/MSD analysis for DRO. Three water samples MW-03-10(052856-001-SA), RNSW-SB-02(052680-0001-RB) and, WW#2(052614-0001-SA), were selected for MS/MSD analysis. All sample sets selected for MS/MSD analysis were within laboratory generated control limits for percent recovery and Relative Percent Difference (RPD).

GRO samples submitted were not specified for analysis of MS/MSD. However, samples were selected by the laboratory for MS/MSD analysis for GRO. Three water samples MW-03-01(052856-0002-SA), RNSW-SB-02(052680-0001-RB) and, WW#2(052614-0001-SA) and, one soil matrix, SB-08-02(052678-0001-SA) were selected for MS/MSD analysis. All water samples selected for MS/MSD analysis were within laboratory generated control limits for percent recovery and RPD. Soil sample SB-08-01(052678-0001-SA) had MS/MSD recoveries outside laboratory generated control limits for percent recovery of 60% to 140%. RPDs were within the RPD control limit of 20. The percent recovery for the MS was 59%, the MSD percent recovery was 51%. These results indicate that the soil GRO results are estimated values with a possible low bias, however, results are usable with qualification.

Laboratory Control Samples. Laboratory Control Samples (LCSs) were prepared and analyzed as Duplicate Control Samples (DCS) for the DRO method. DCSs are prepared as natural matrix spike samples. Laboratory generated control limits are established at ± 44% RPD. DCS RPD results were all within laboratory generated control limits.

LCSs were analyzed after initial or continuing calibrations and prior to the analysis of method blanks and samples for GRO. All LCSs analyzed were within acceptance criteria for GRO analysis.

Overall Assessment. Data presented from the analysis of DRO was of an overall good quality. There were no technical or quantitative problems with the data. The sample temperature issue discussed in Section 3.2 does not affect the overall quality and usability

of the data package. ABB-ES does not recommend or require any new notations or changes to the data.

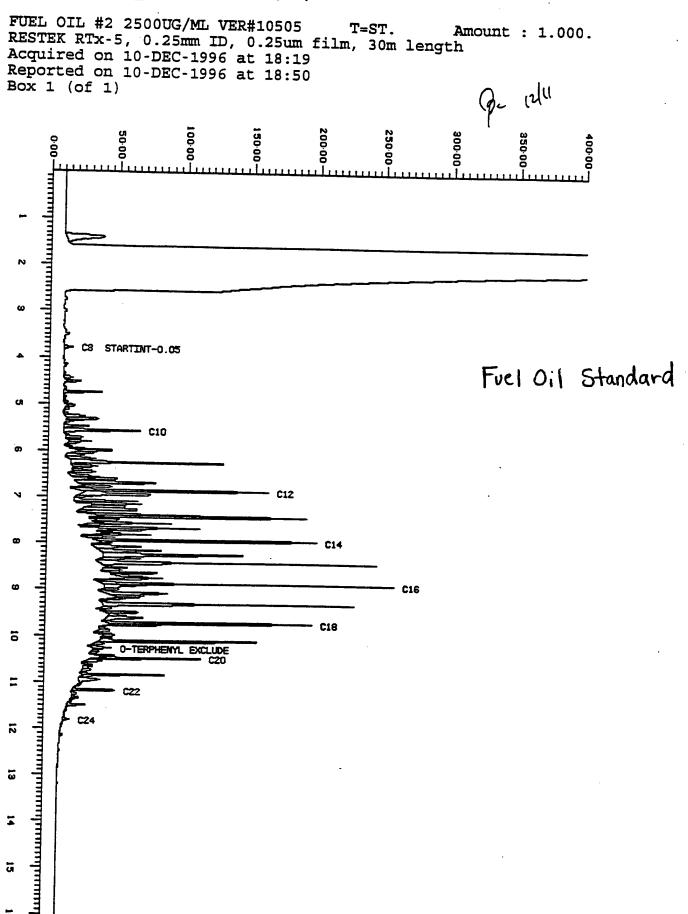
Data presented from the analysis of GRO was of an overall good quality. There were no technical or quantitative problems with the data. The sample temperature issue discussed in Section 3.2 does not affect the overall quality and usability of the data package. ABB-ES does not recommend or require any new notations or changes to the data.

DRO CHROMATOGRAMS

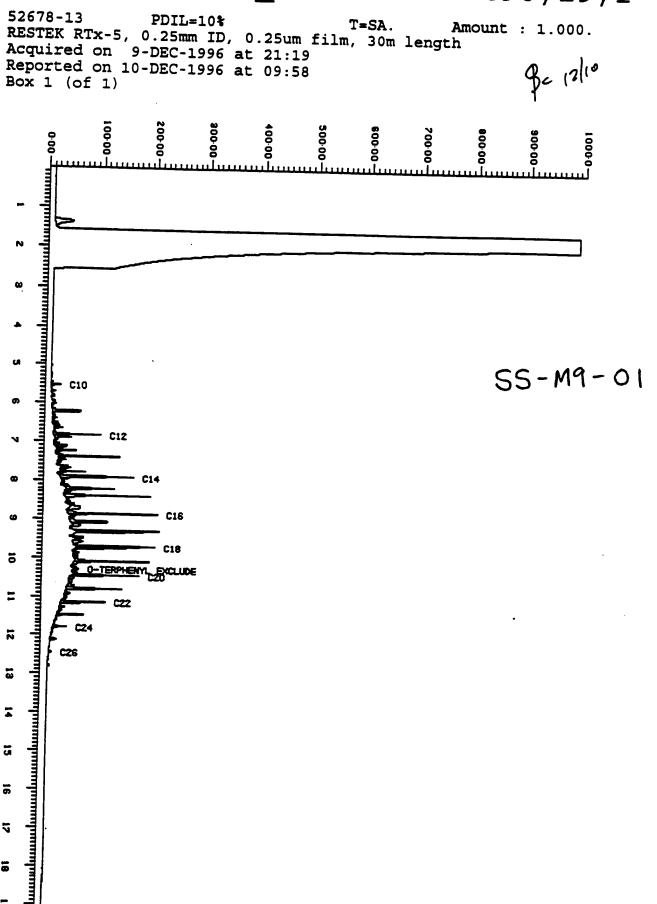
ABB Environmental Services, Inc.

W001976APP 9890-05

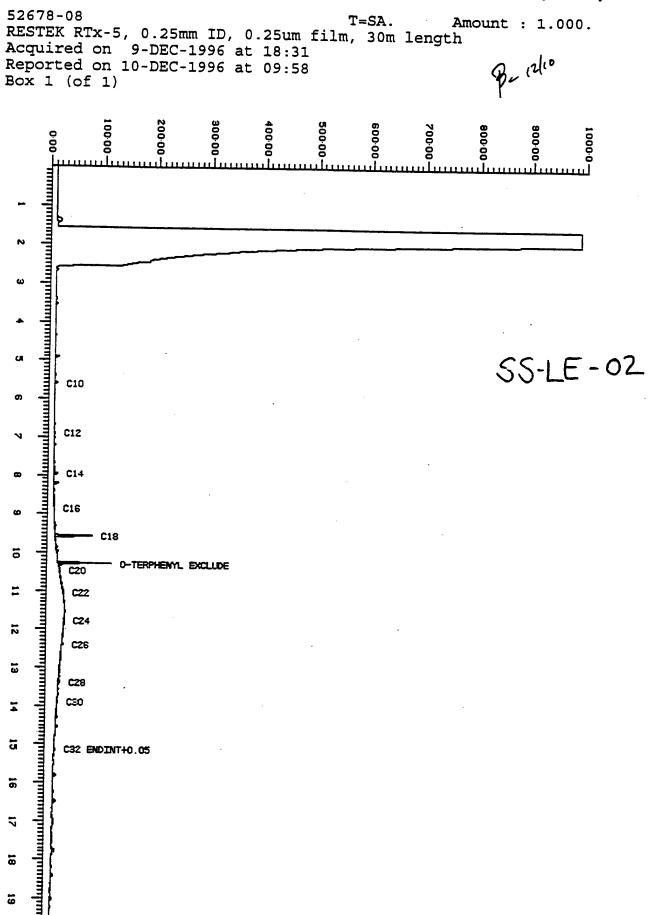
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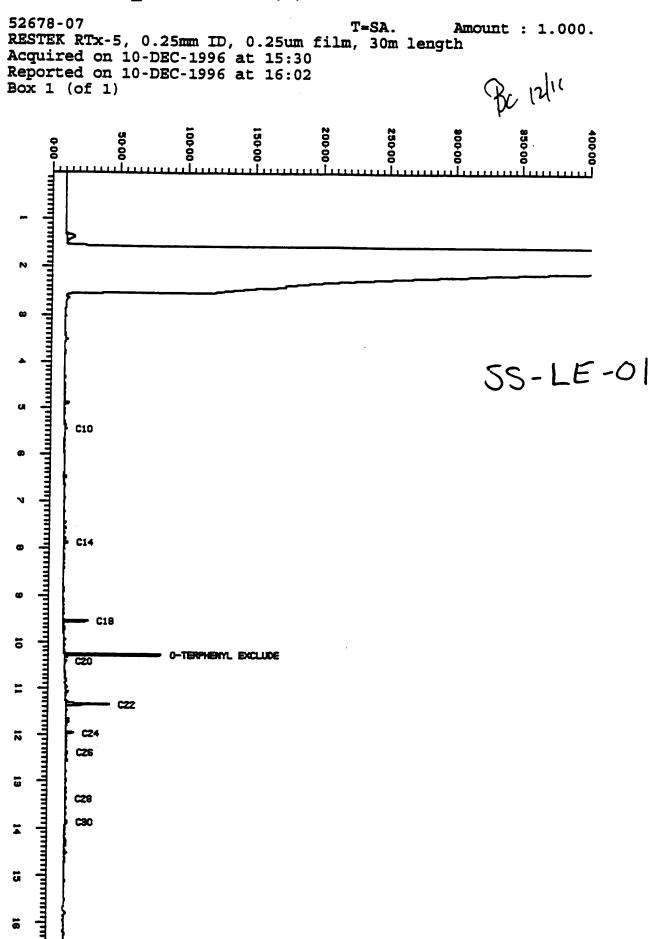
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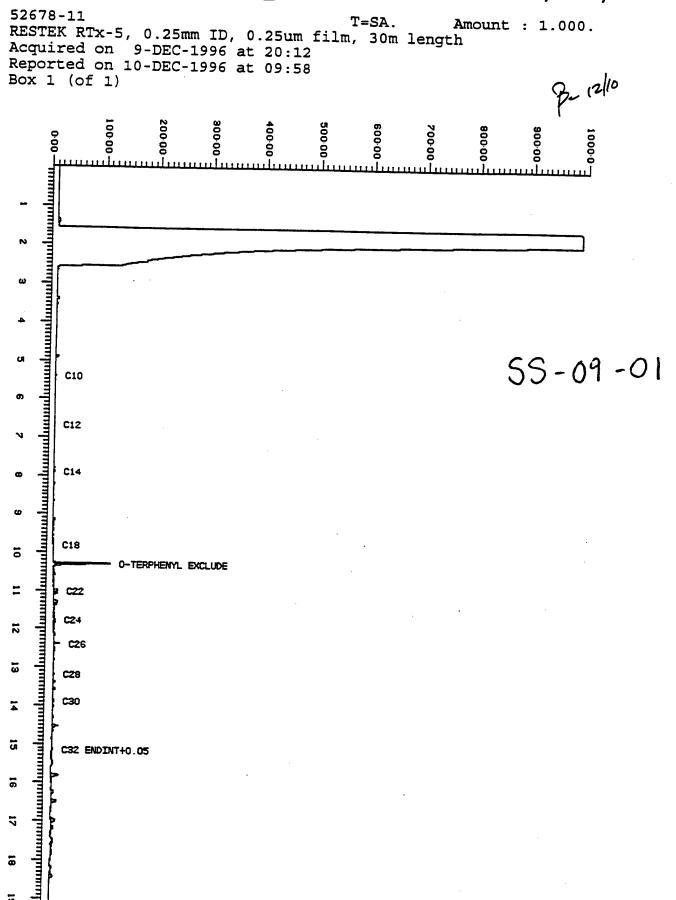
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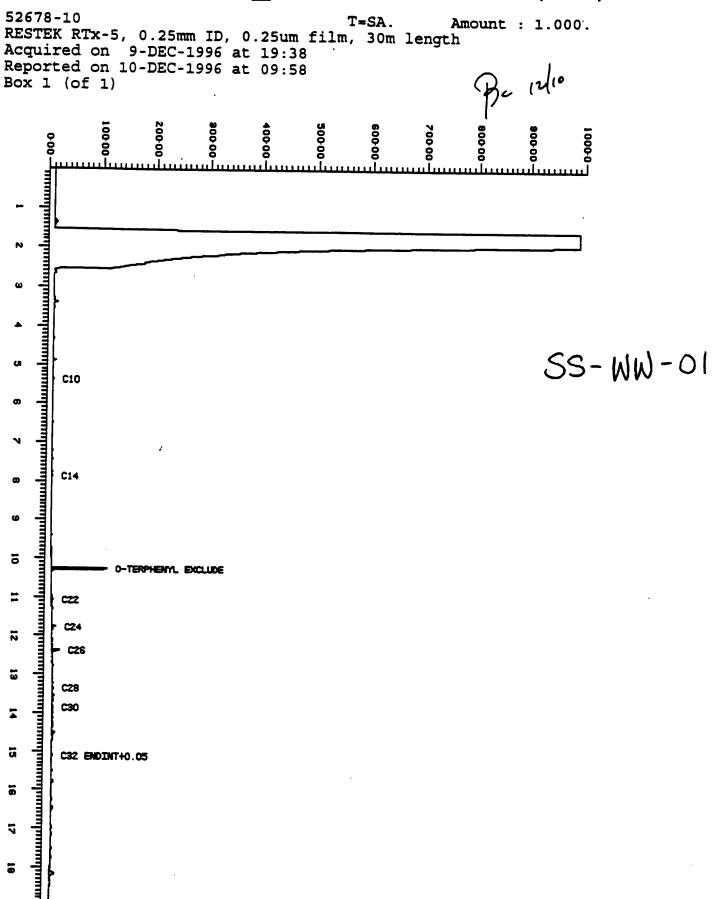
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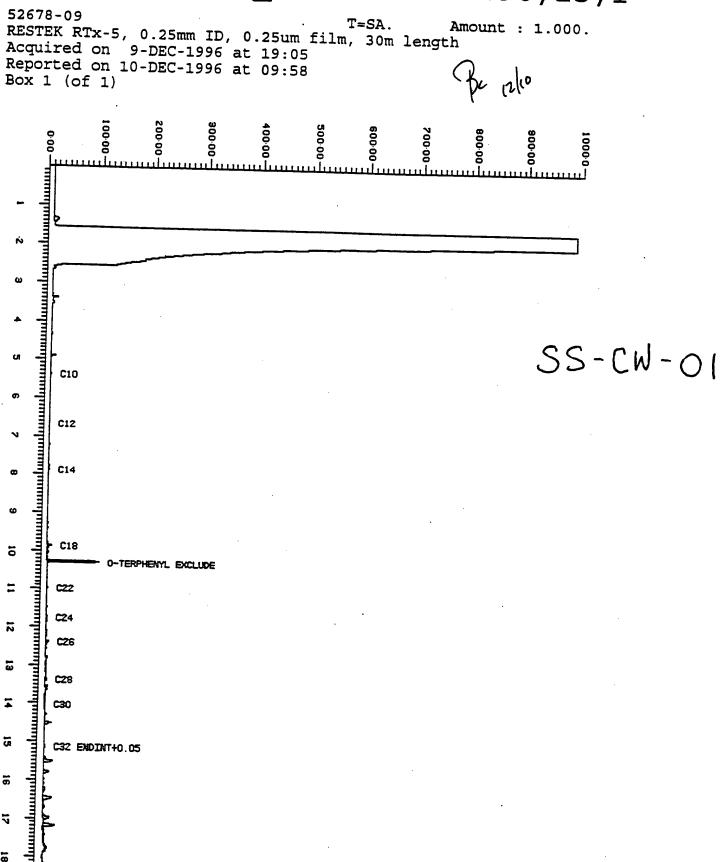
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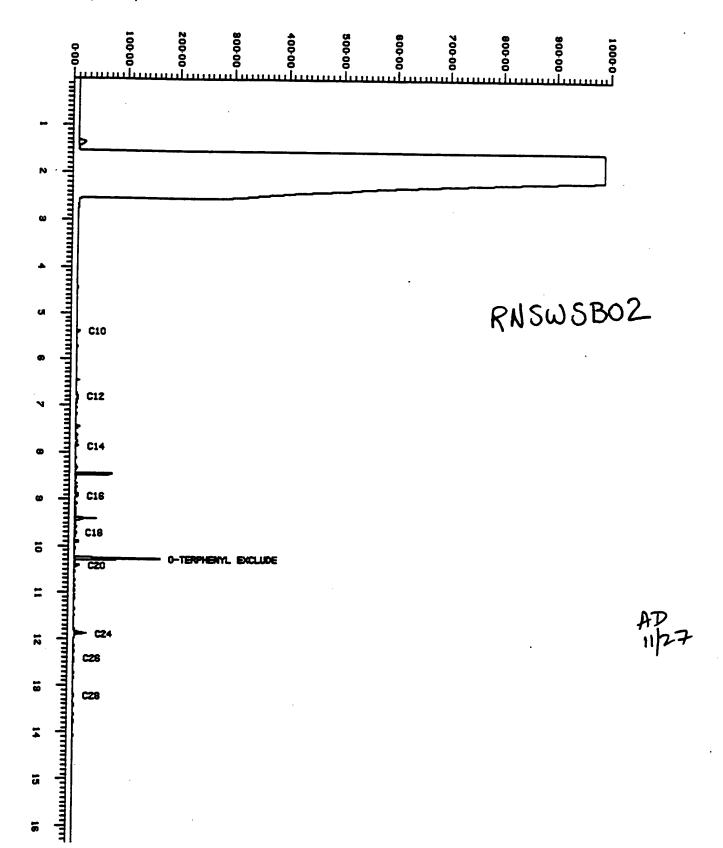


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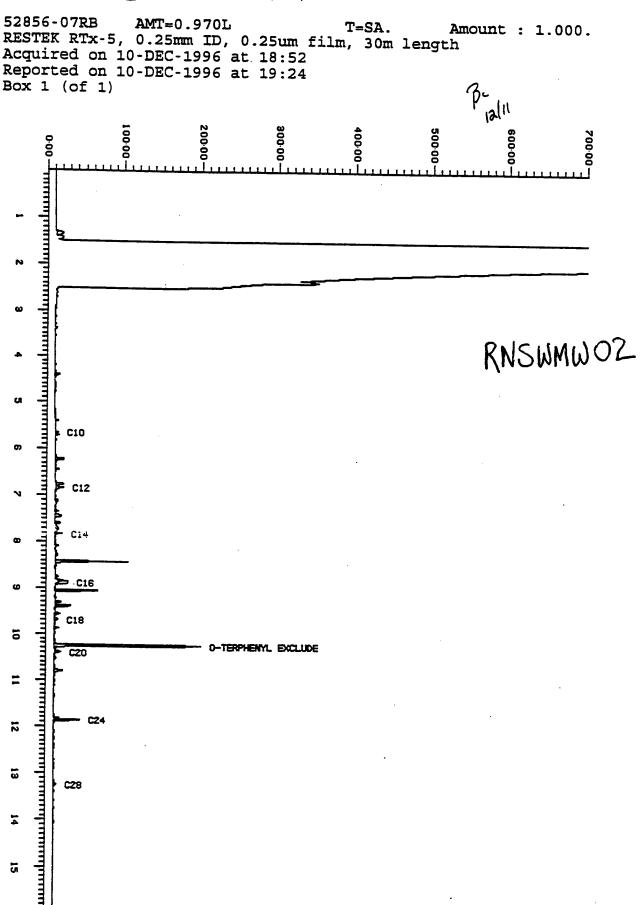


[FID11_4] 75 Z26NOV96,9,1

52680-01 AMT=0.94L PDIL=100% T=SA. Amount: 1.000. RESTEK RTx-5, 0.25mm ID, 0.25um film, 30m length Acquired on 26-NOV-1996 at 12:33 Reported on 26-NOV-1996 at 13:04 Box 1 (of 1)



[FID12_2] 75 Z10DEC96,15,1



[FID12_2] 75 Z10DEC96,11,1

52856-02 AMT=0.855L T=SA. Amount: 1.000. RESTEK RTx-5, 0.25mm ID, 0.25um film, 30m length Acquired on 10-DEC-1996 at 16:38 Reported on 10-DEC-1996 at 17:10 Box 1 (of 1)

